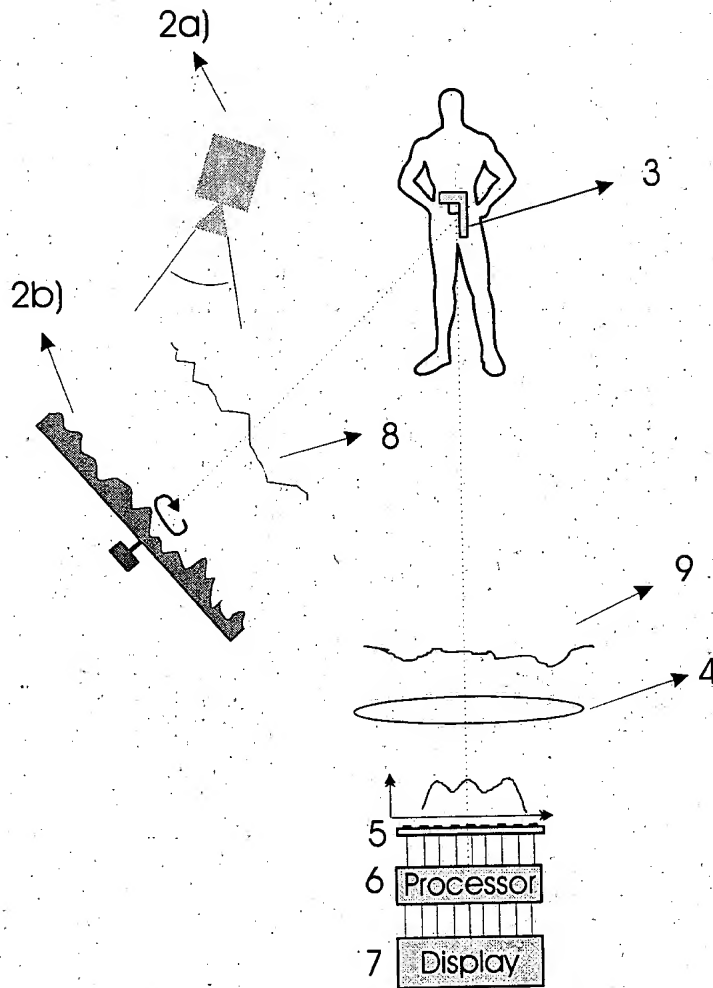


FIGURE 1a

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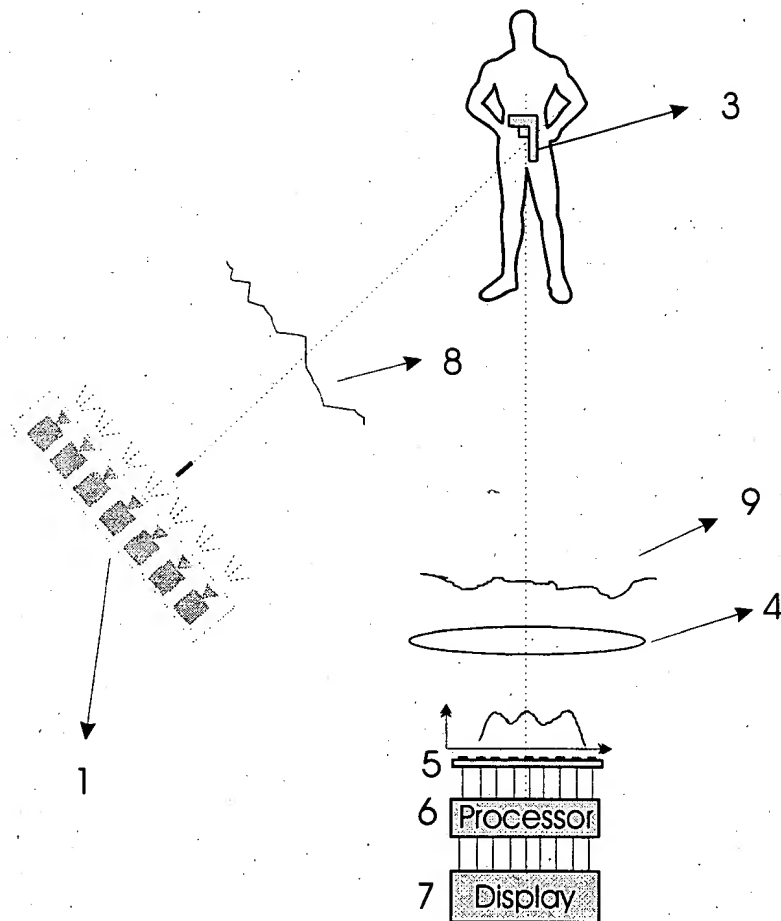
[illegible]

FIGURE 1c

Rose 8009
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PRIOR ART

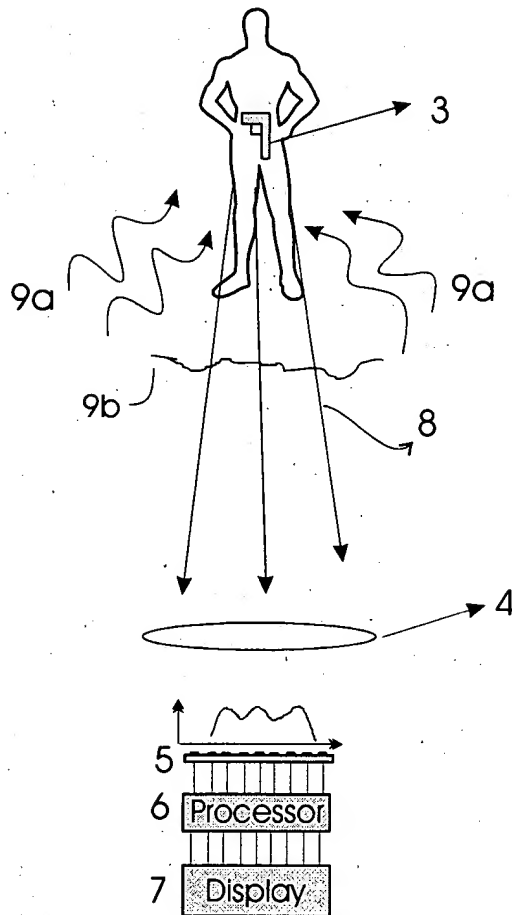


FIGURE 2

Rose 8009
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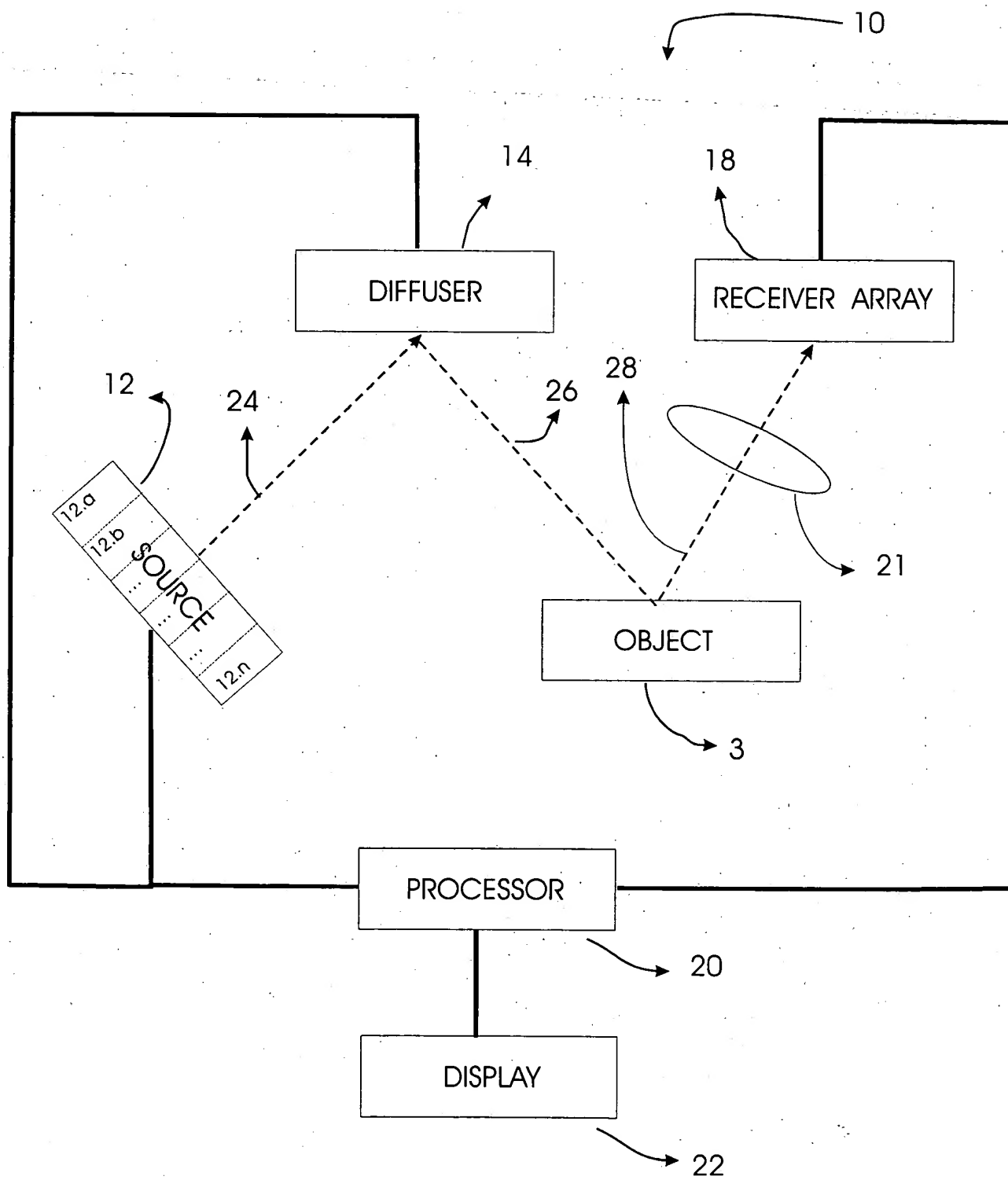


FIGURE 3a

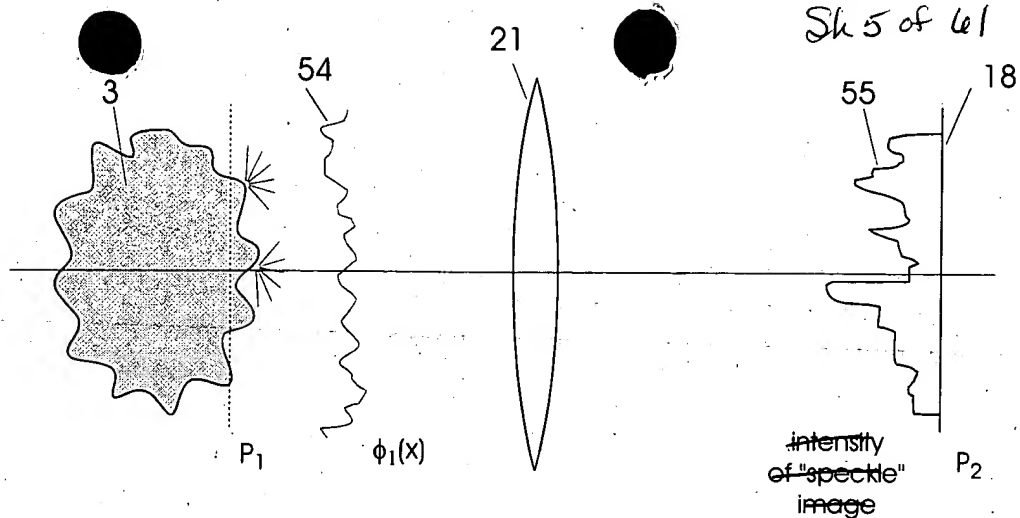


FIGURE 3b

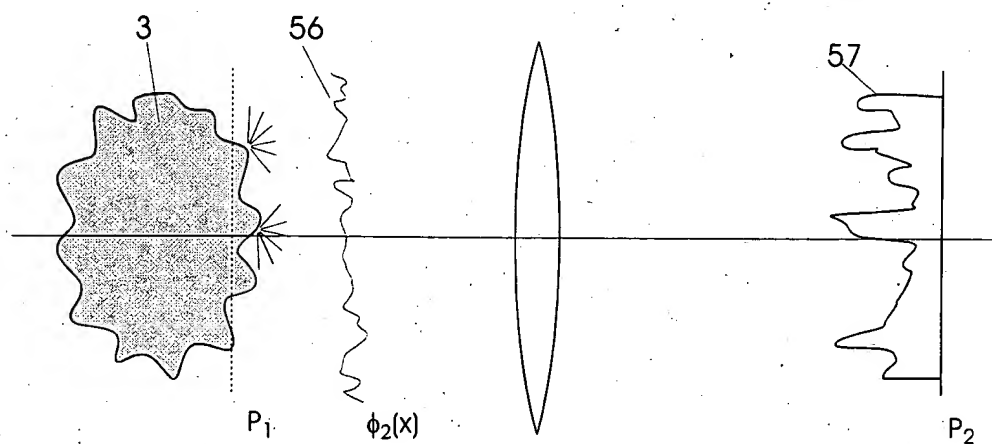


FIGURE 3c

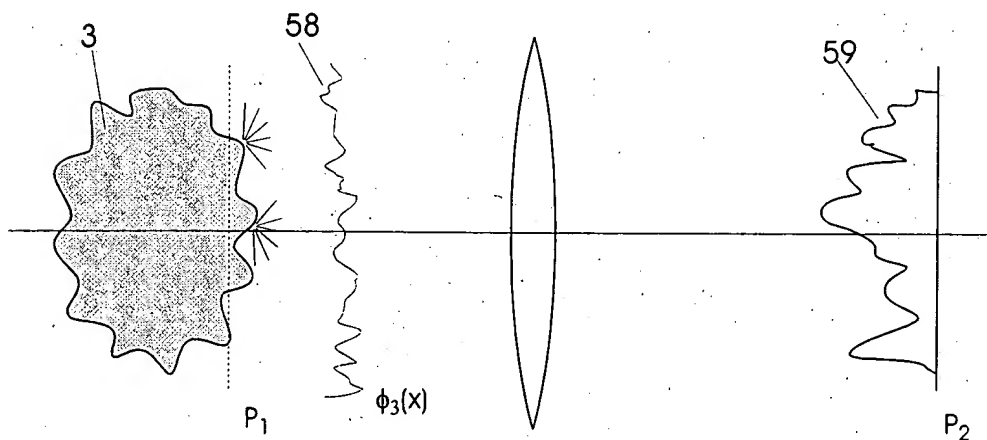


FIGURE 3d

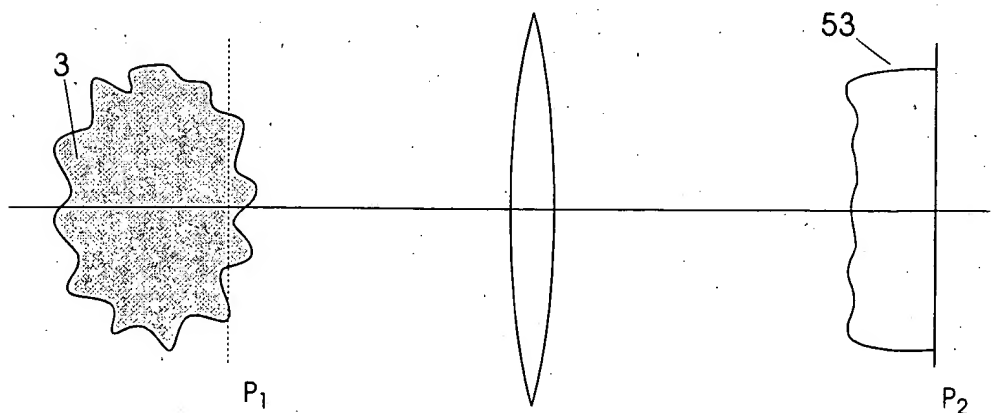


FIGURE 4a

200

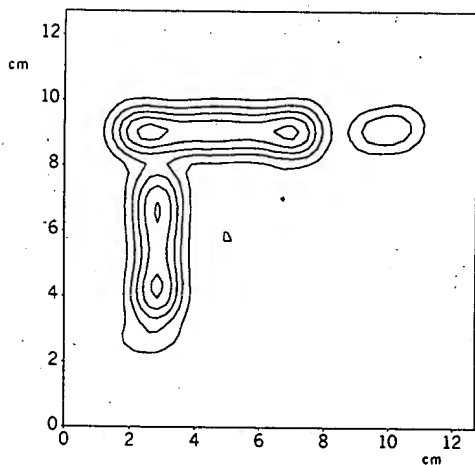


FIGURE 4b

205

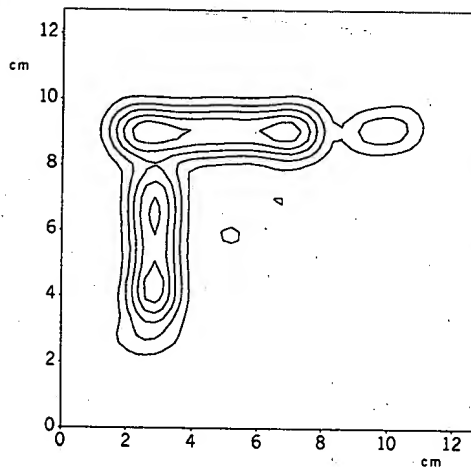


FIGURE 4c

210

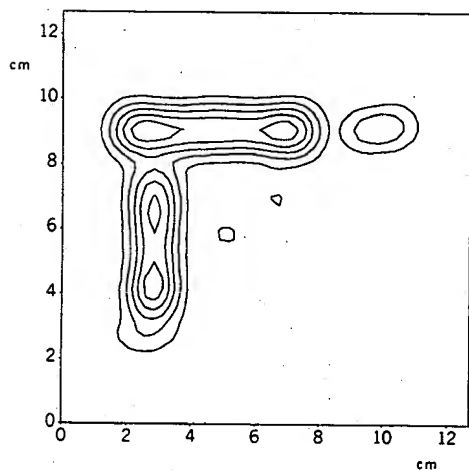
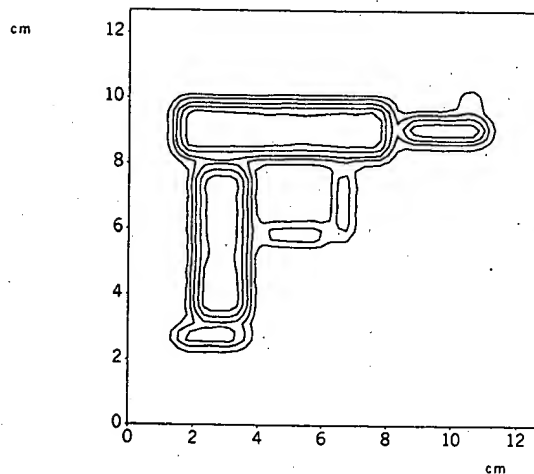


FIGURE 4d

215



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Figure 5a

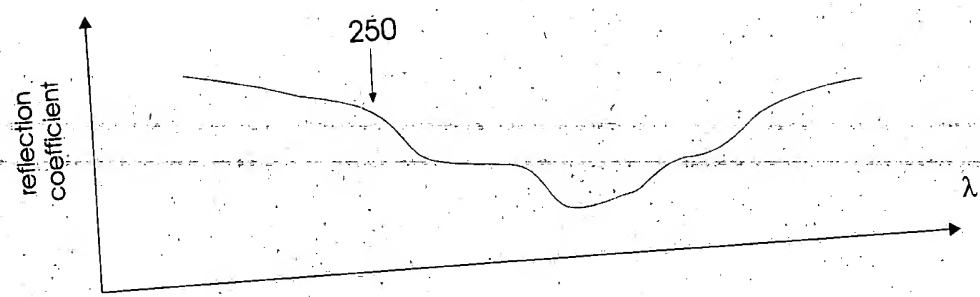


Figure 5b

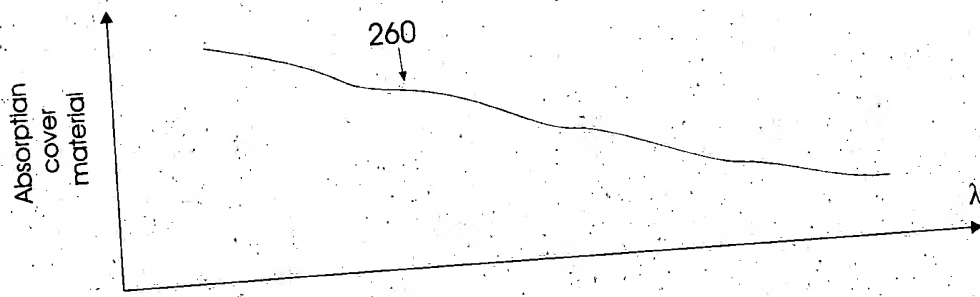


Figure 5c

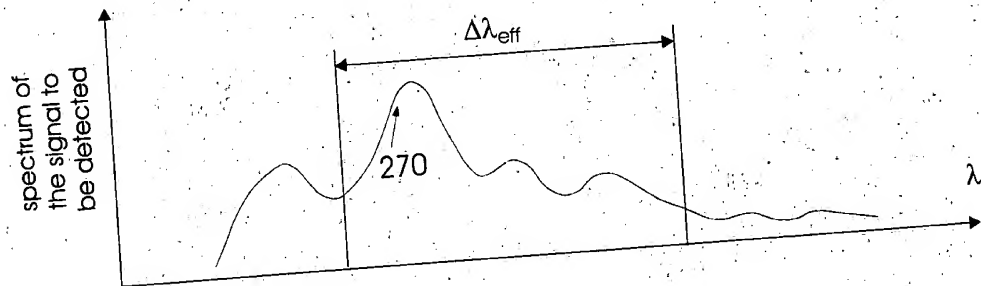


Figure 5d

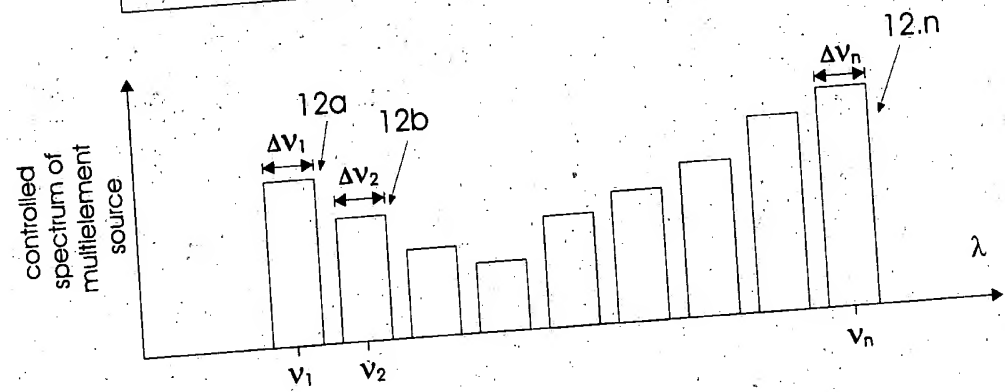


Figure 5e

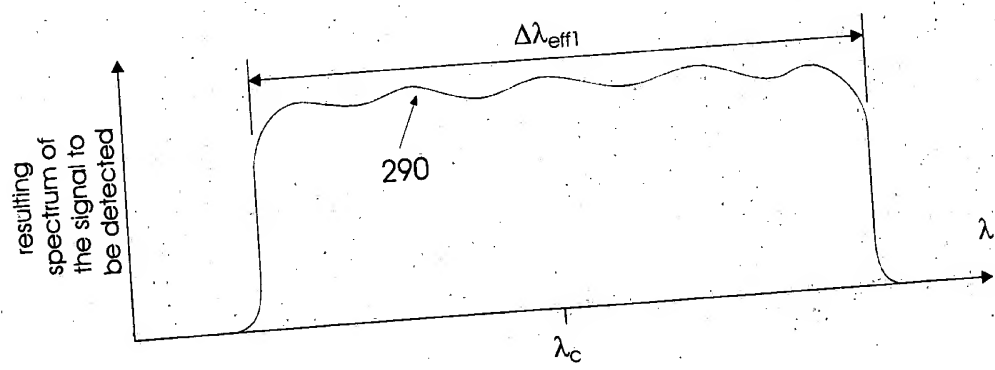


FIGURE 6

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Sh 8 of 61

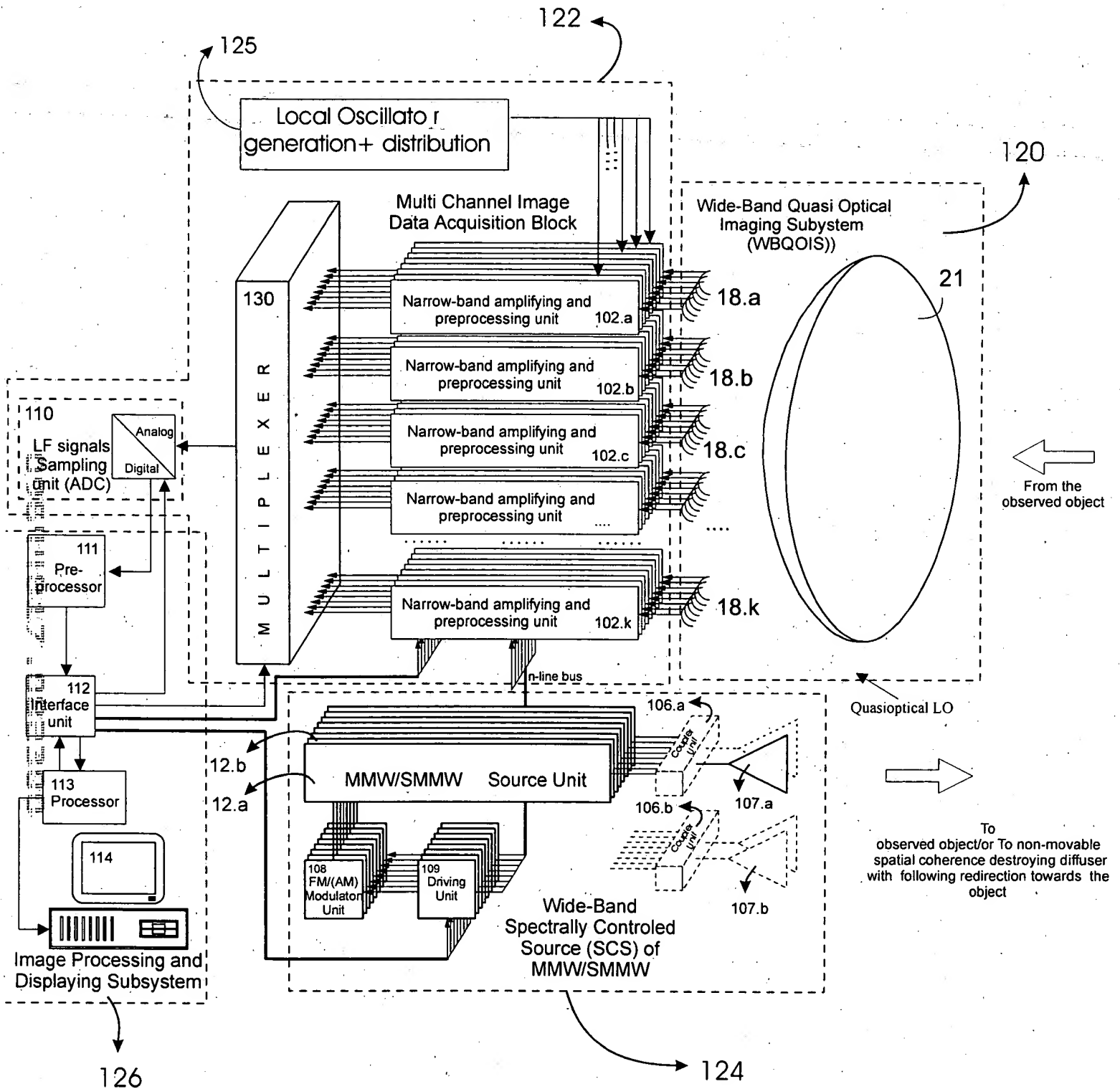


FIGURE 7a

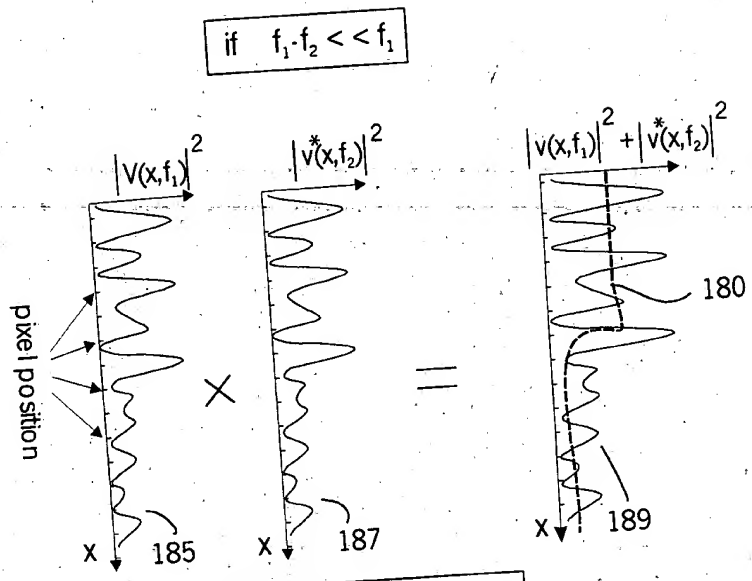


FIGURE 7b

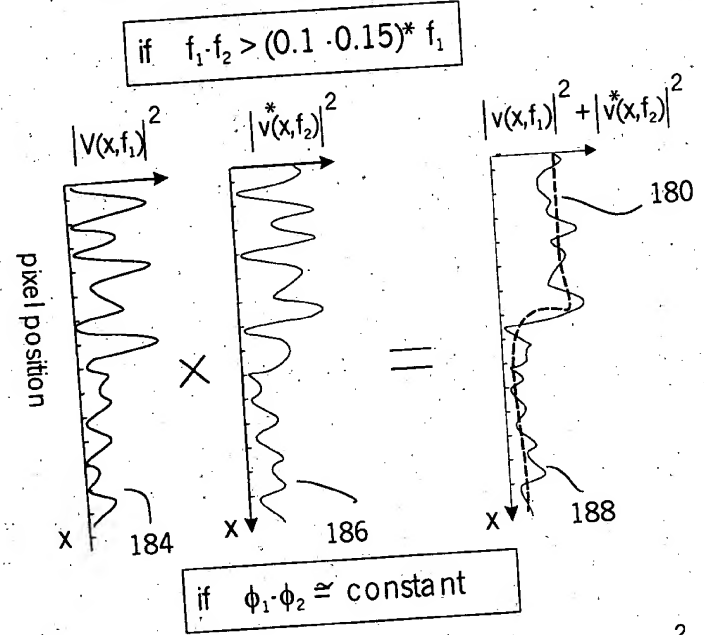
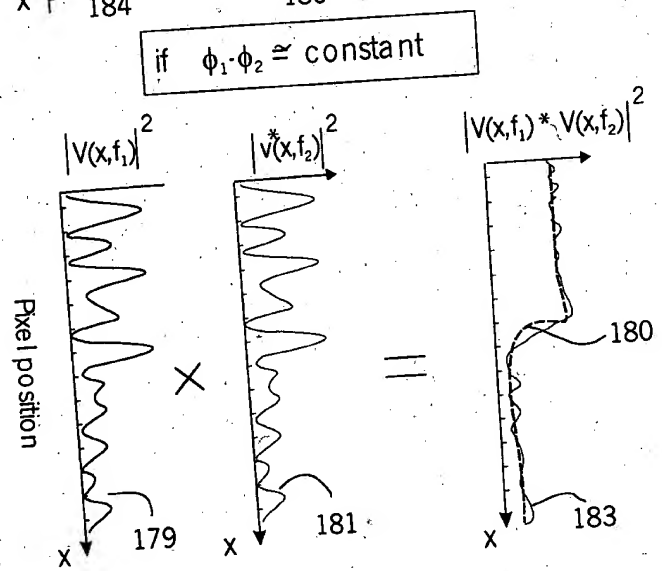


FIGURE 7c



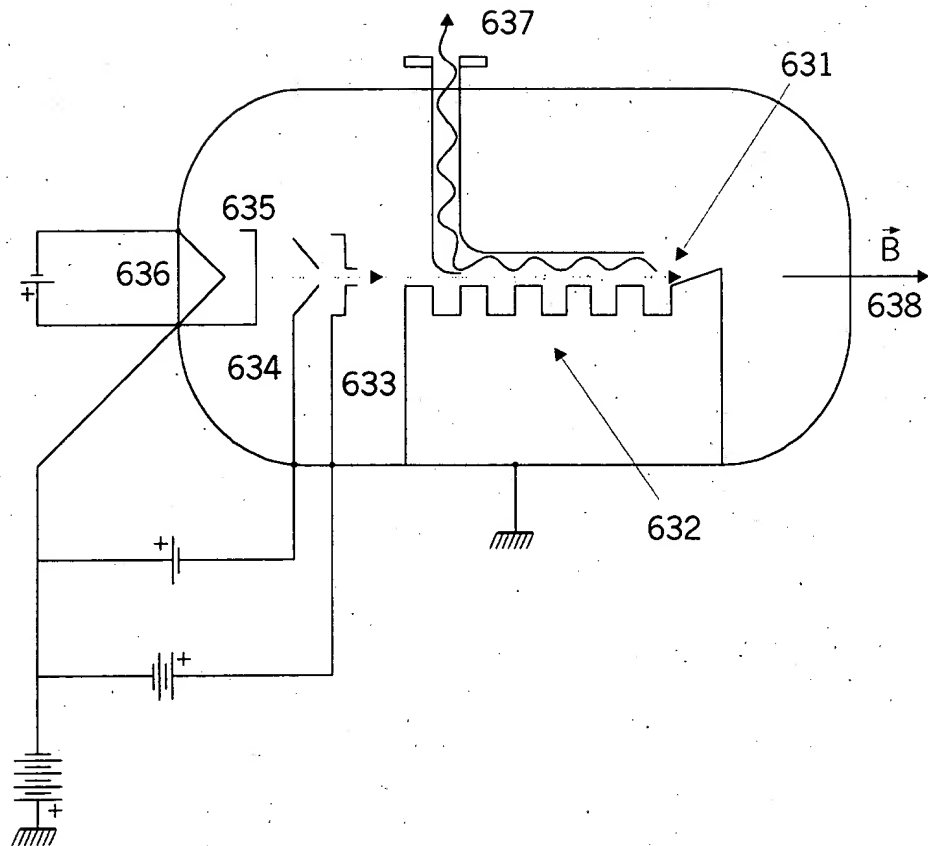
[illegible]

FIGURE 9.a_

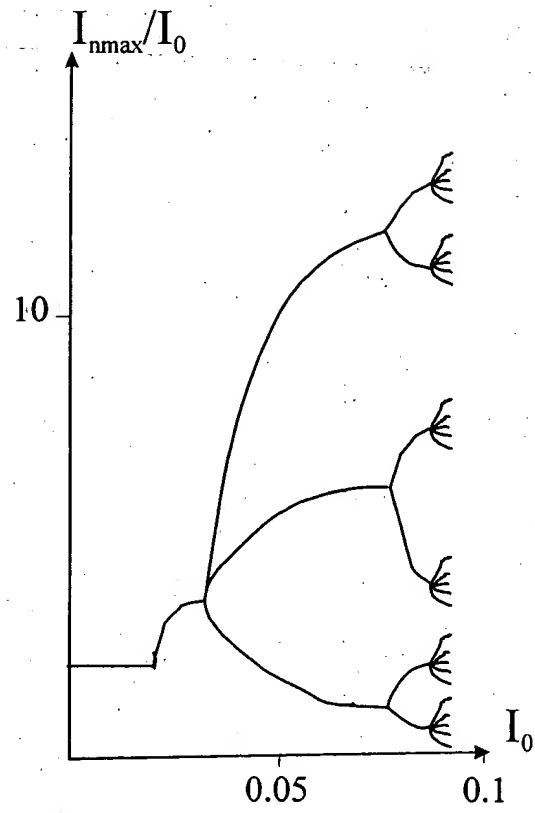


FIGURE 9.b

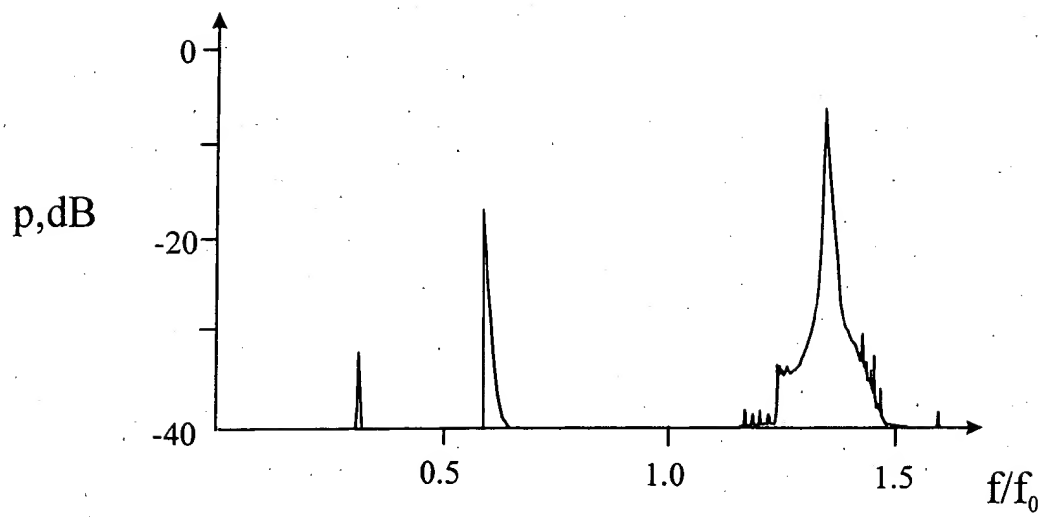


FIGURE 10

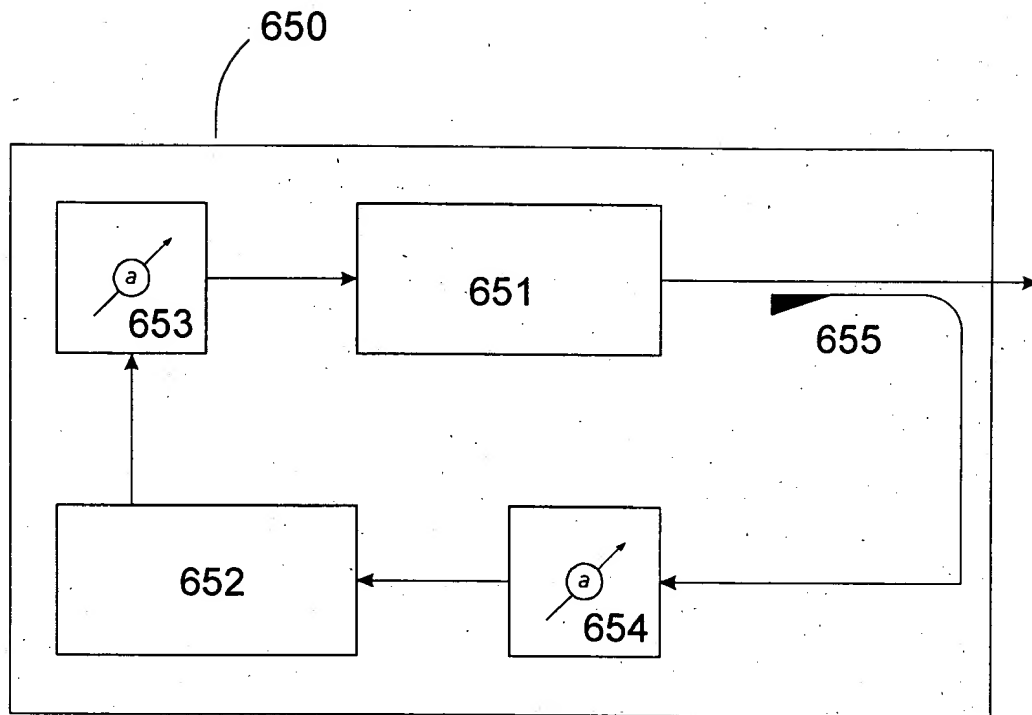


FIGURE 11a

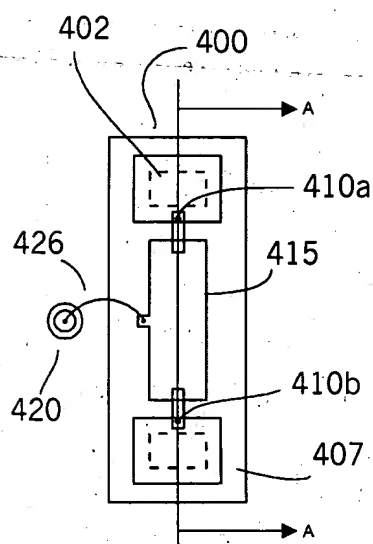


FIGURE 11b

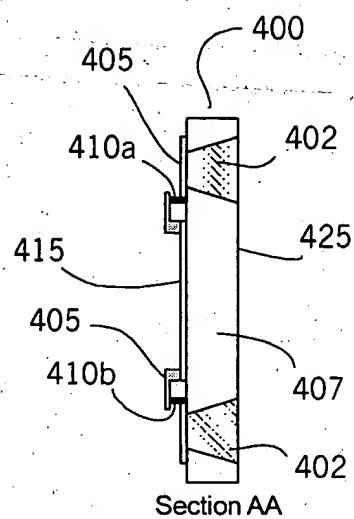


FIGURE 11c

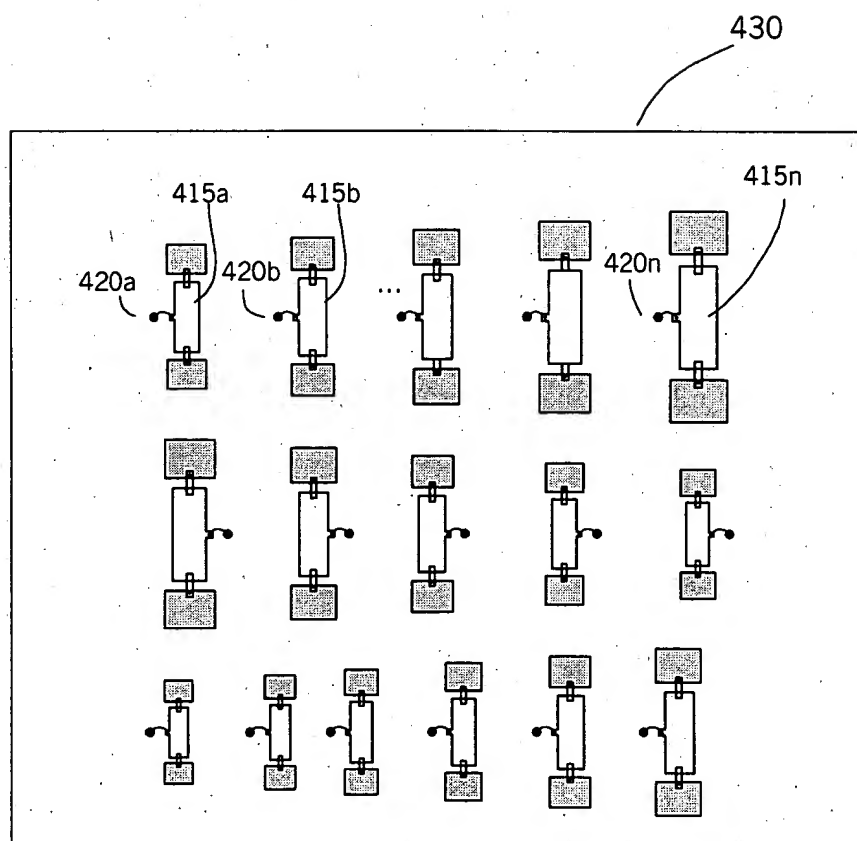


FIGURE 12b

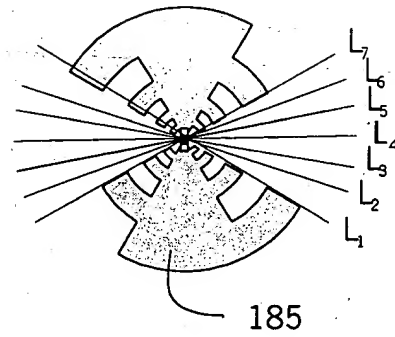


FIGURE 12a

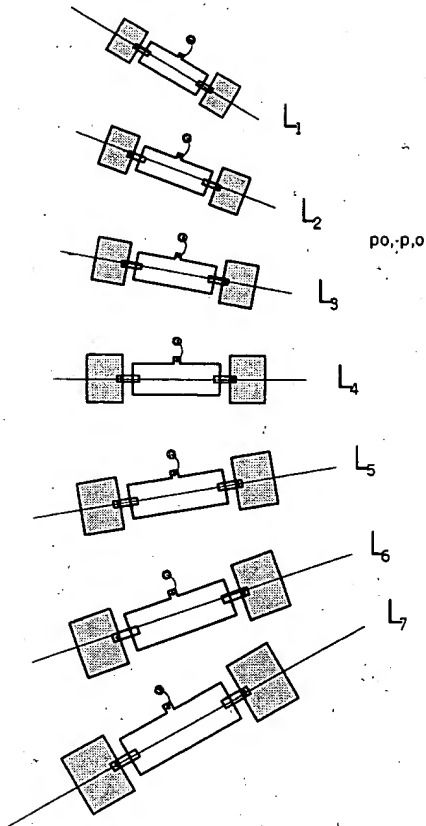


FIGURE 12c

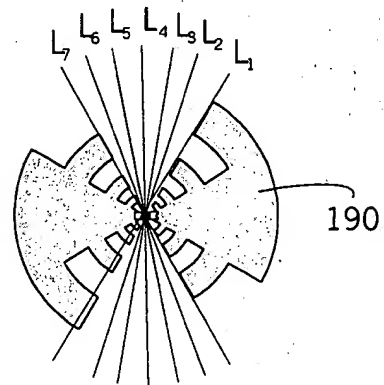


FIGURE 13

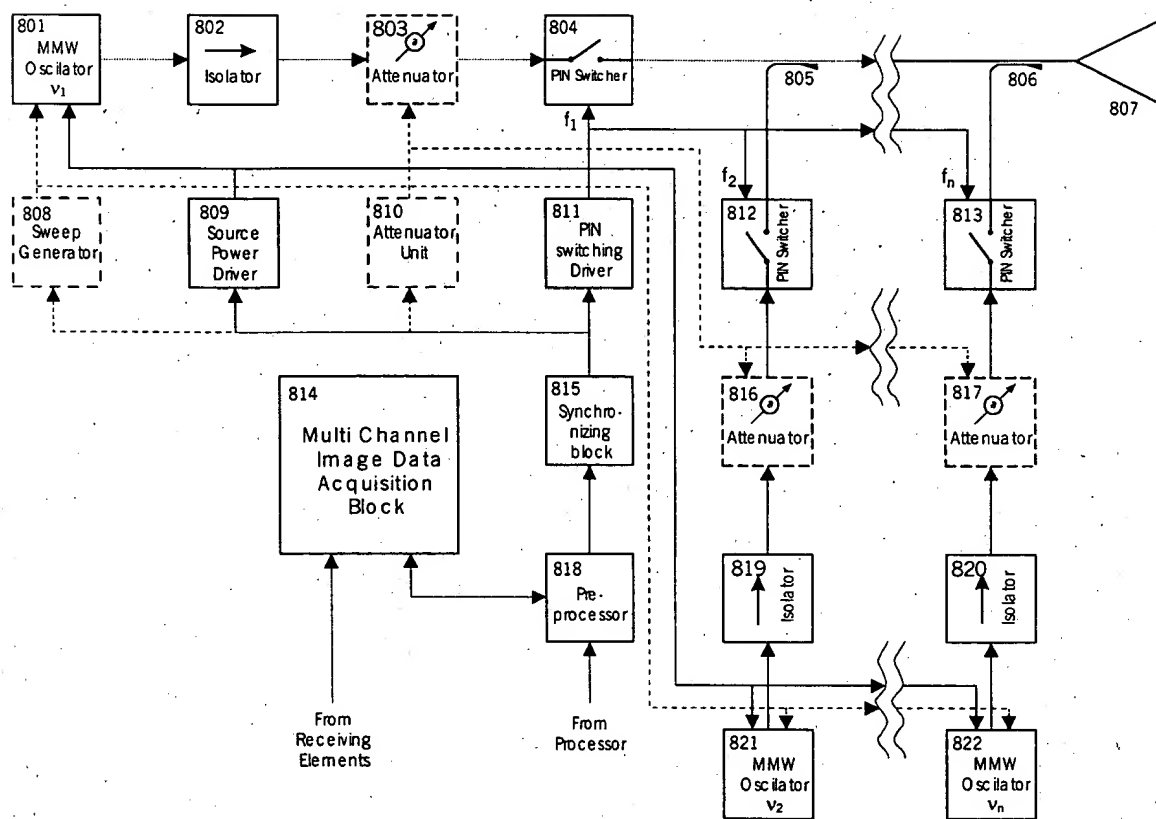


FIGURE 14a

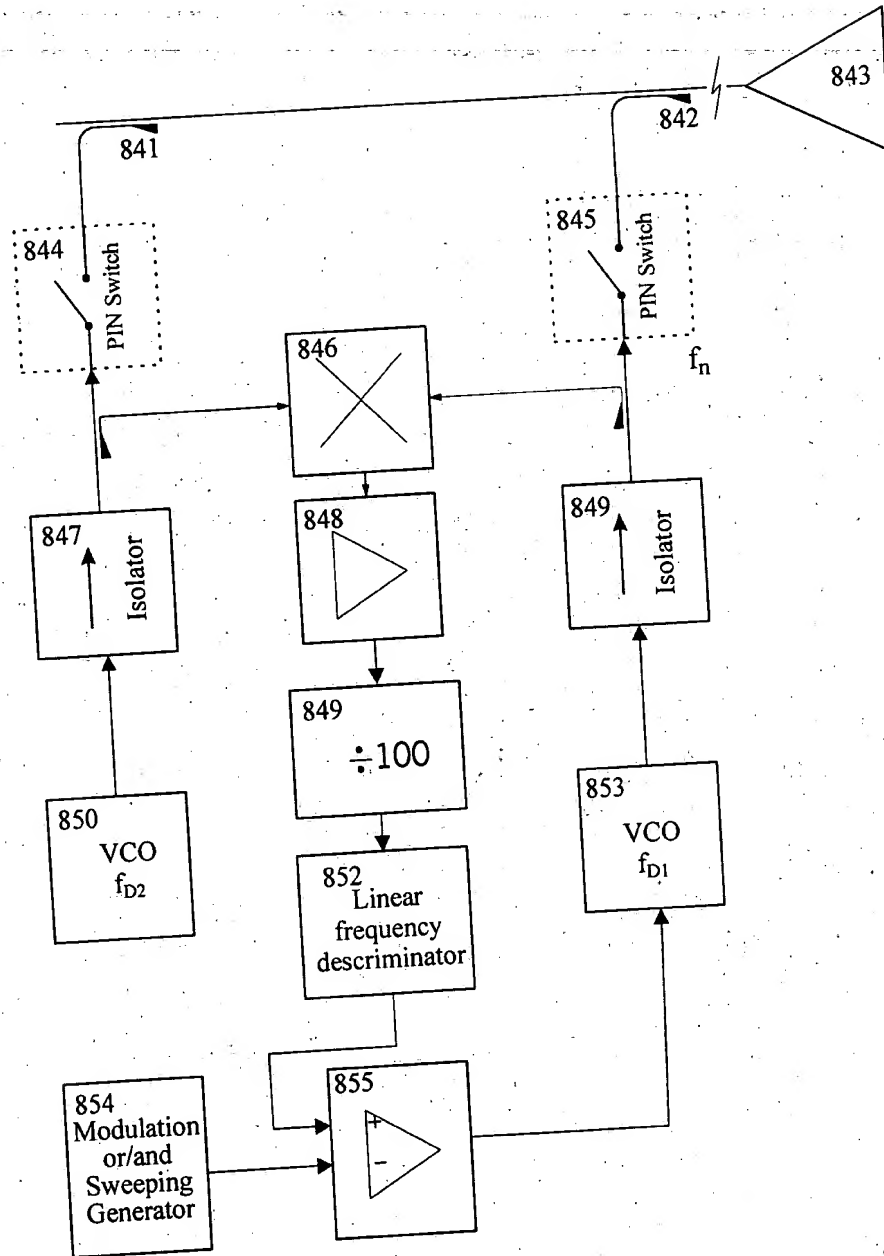


FIGURE 14b

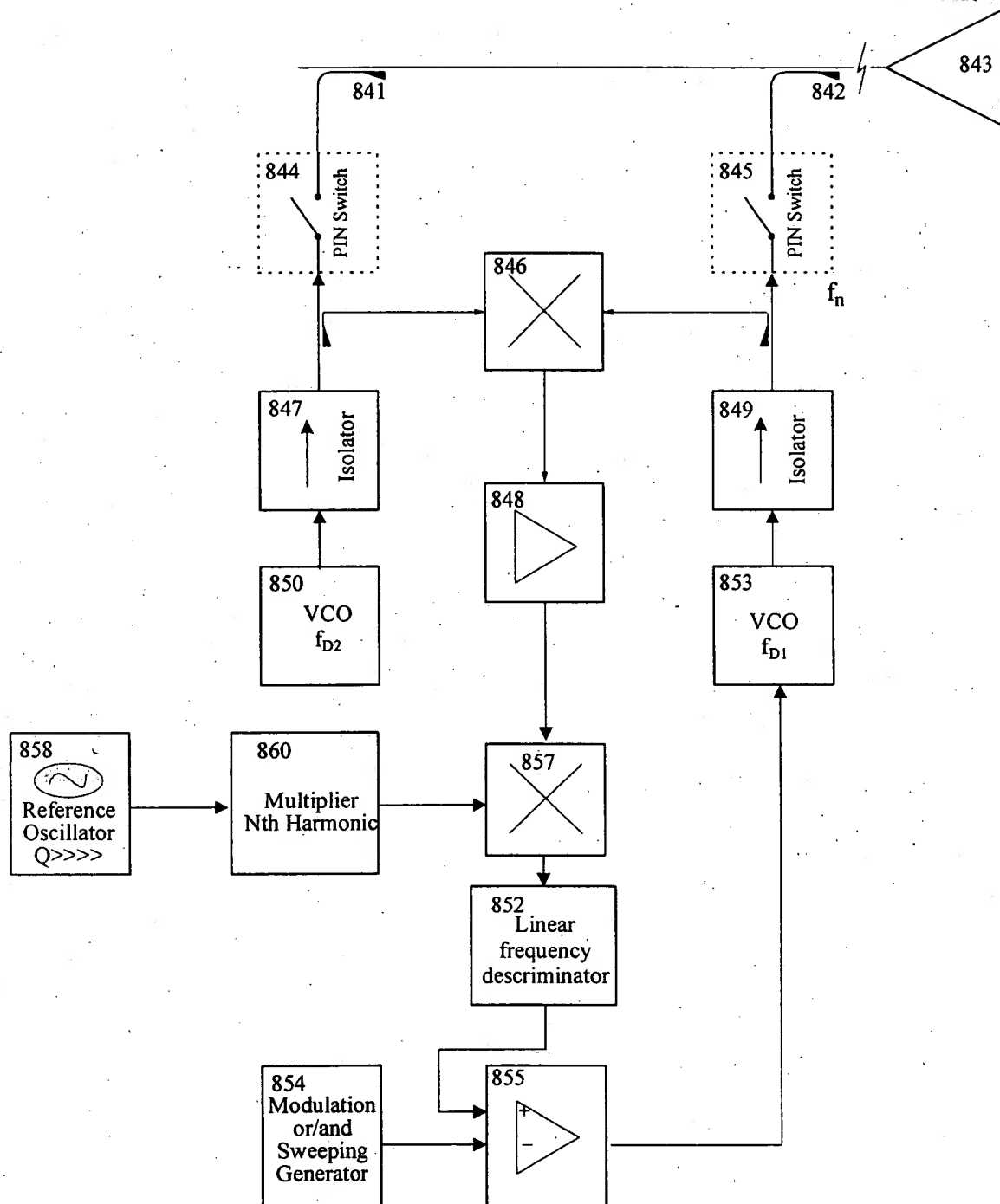


FIGURE 15

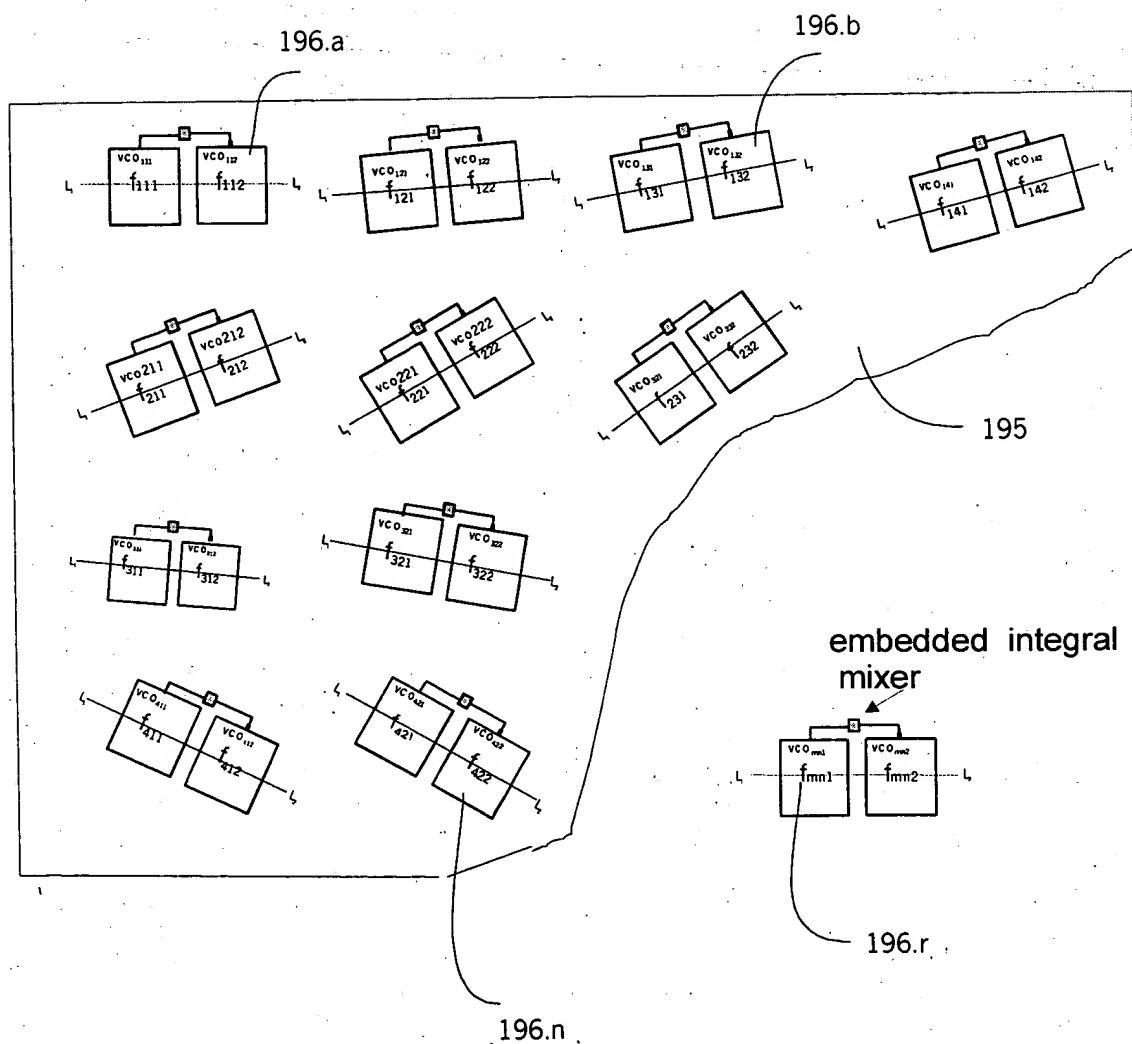


FIGURE 16

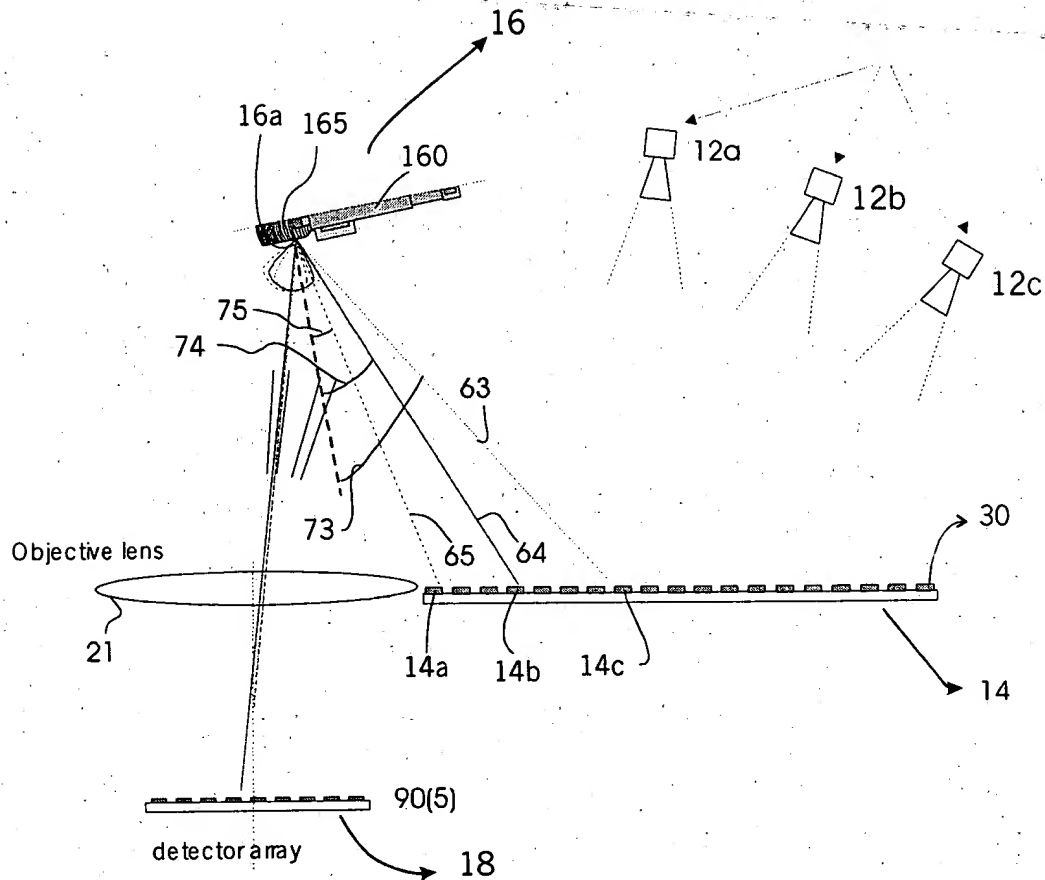


FIGURE 17a

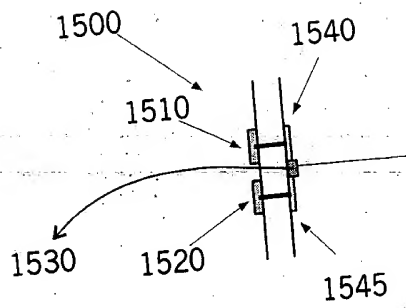


FIGURE 17b

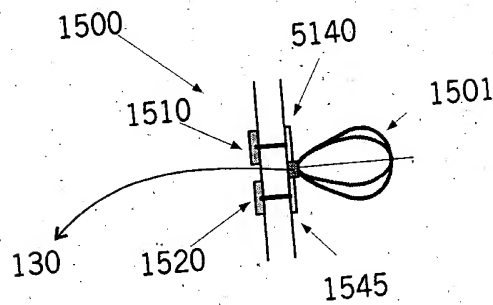


FIGURE 17c

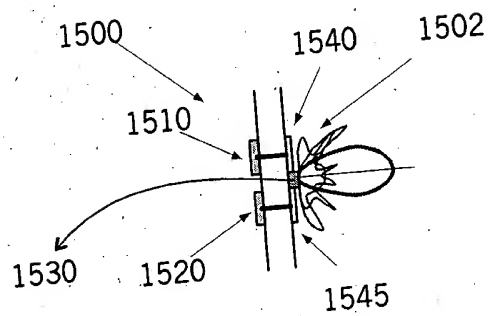


FIGURE 18a

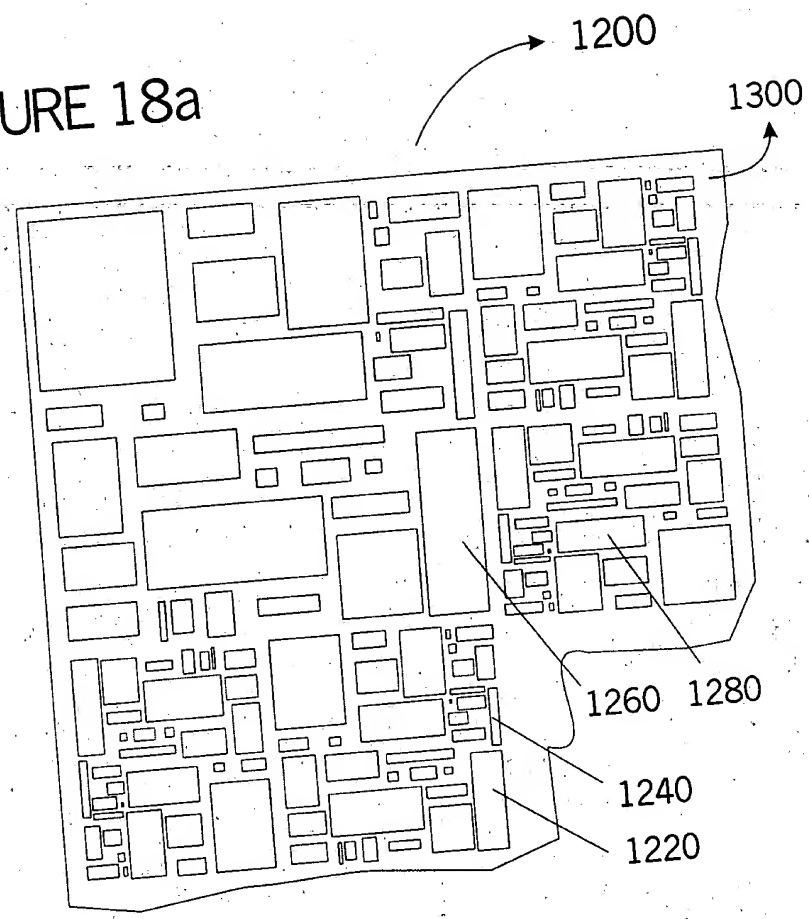


FIGURE 18b

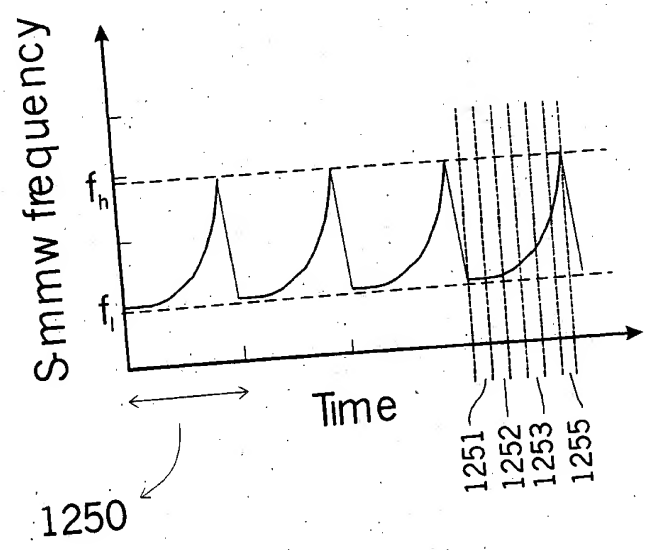


FIGURE 19a

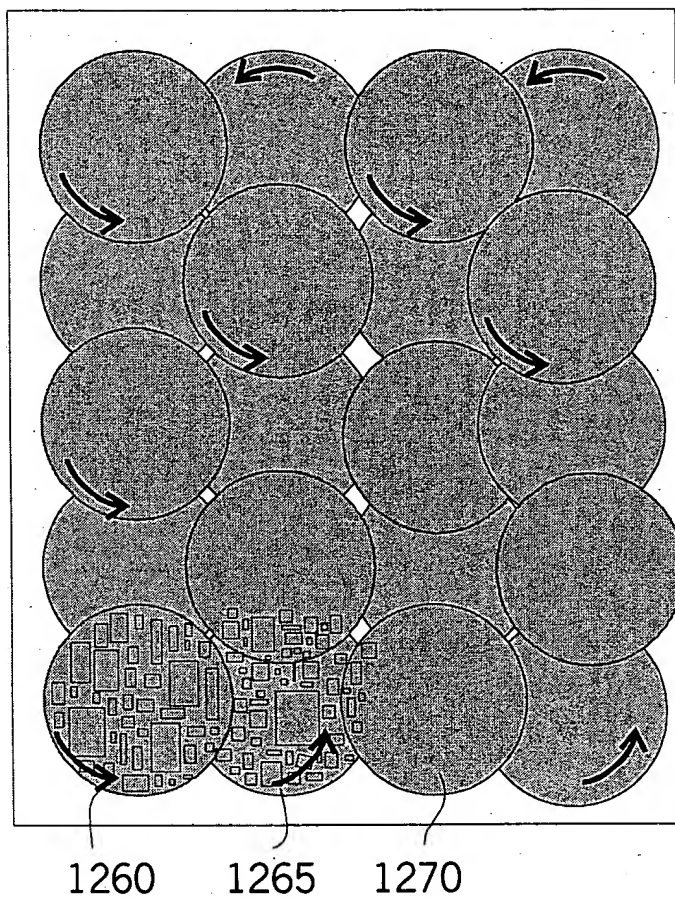


FIGURE 19b

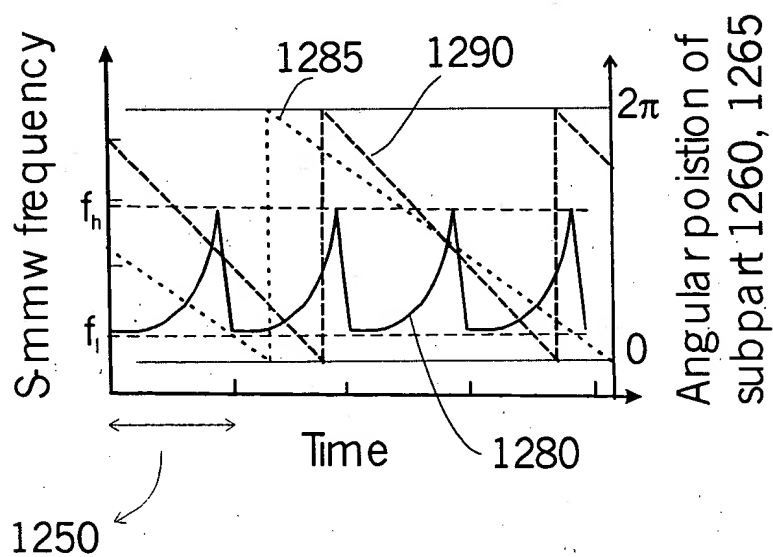


FIGURE 20a

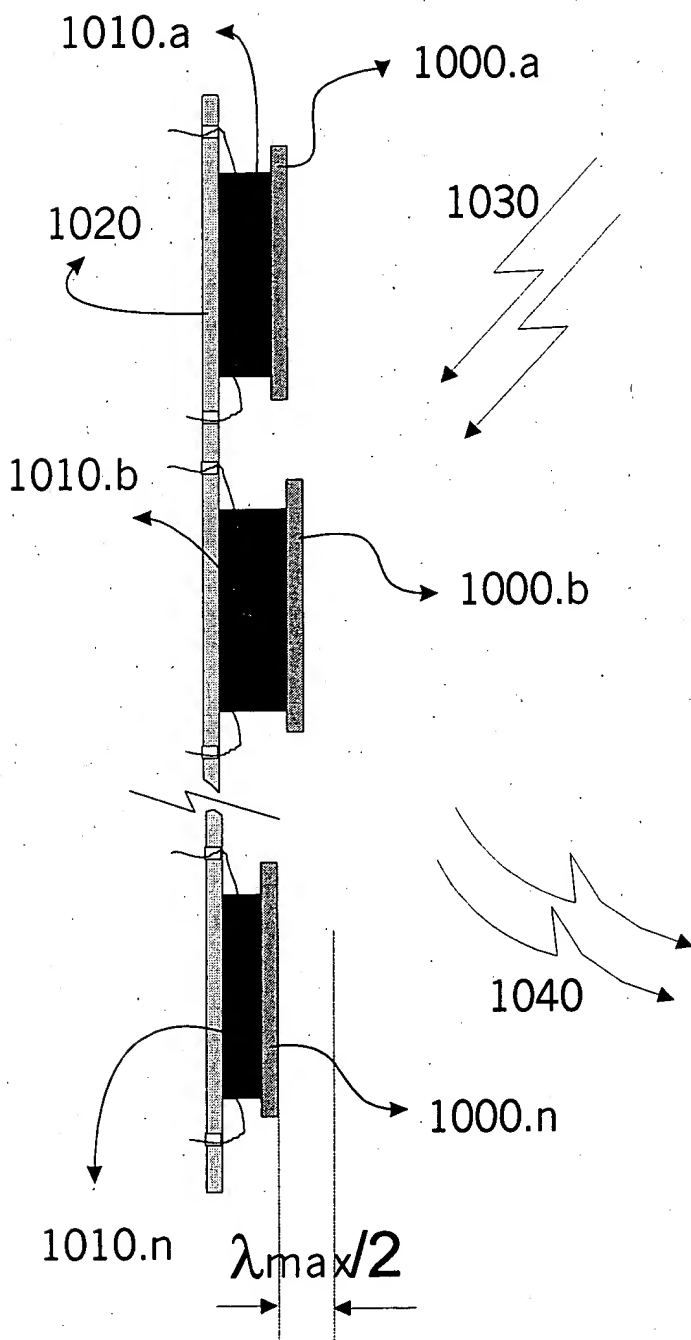


FIGURE 20b

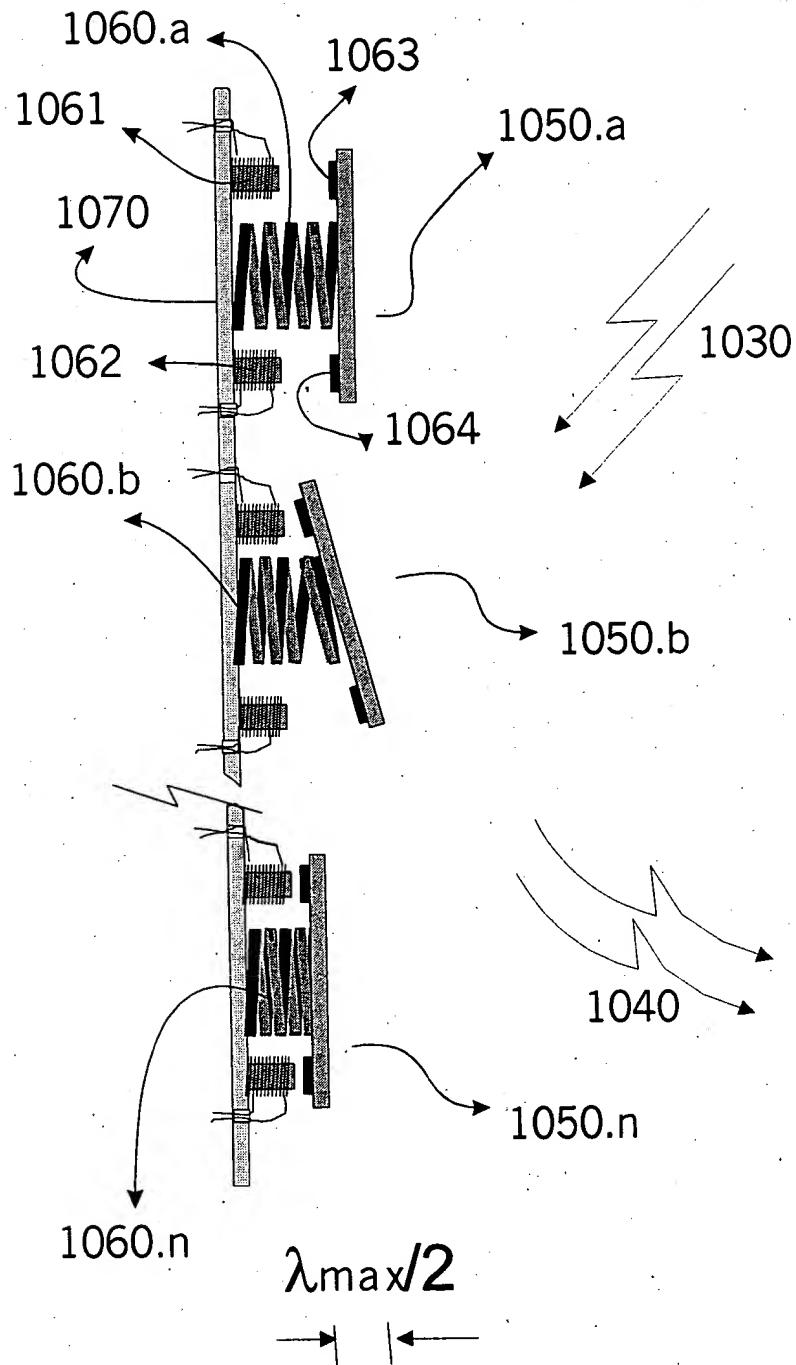


FIGURE 21

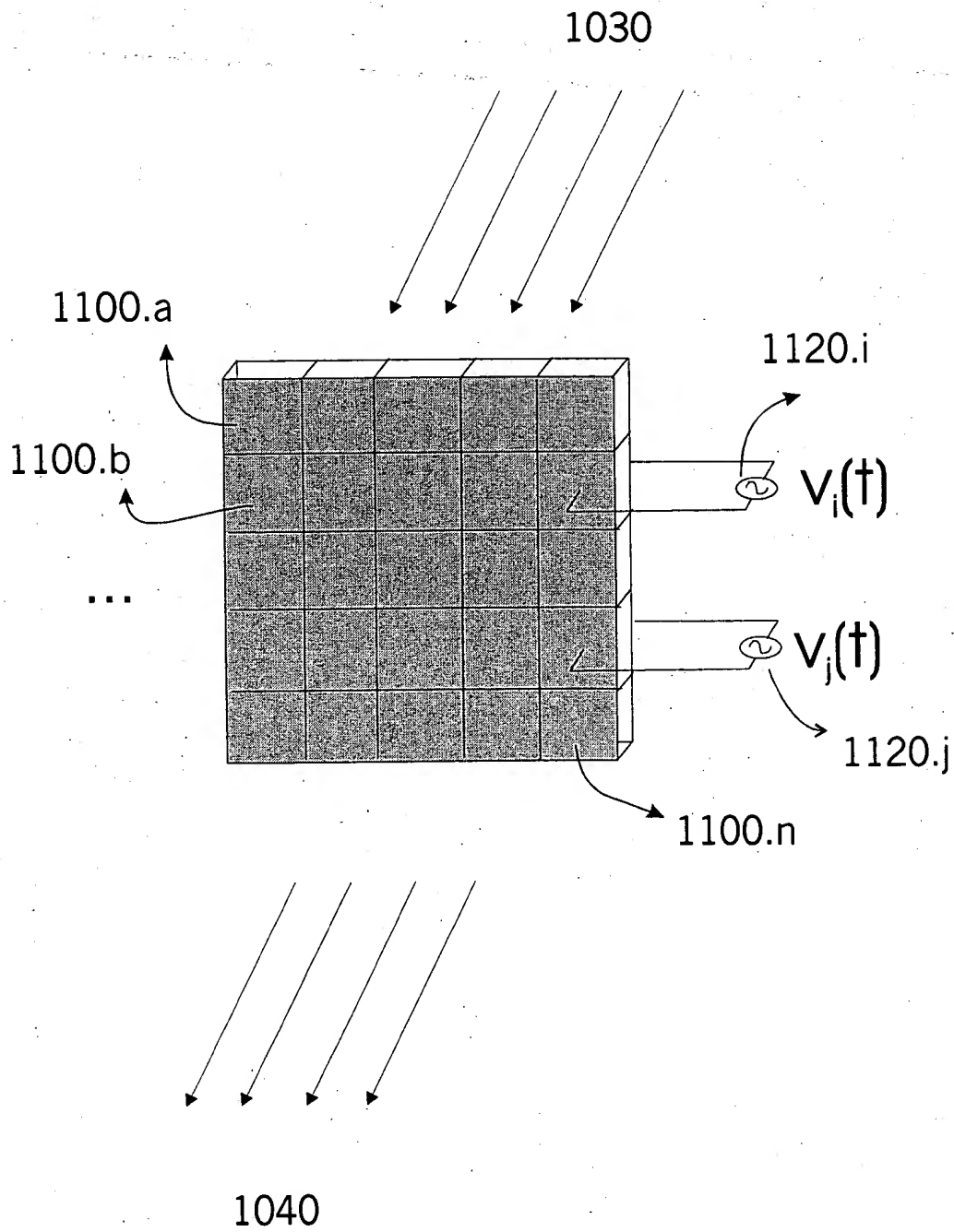
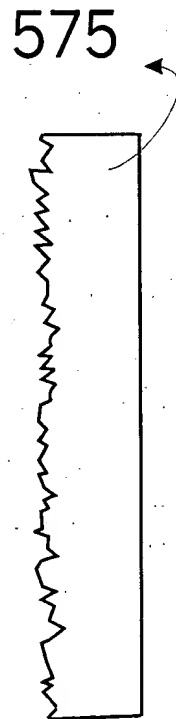


FIGURE 22

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FIGURE 23a

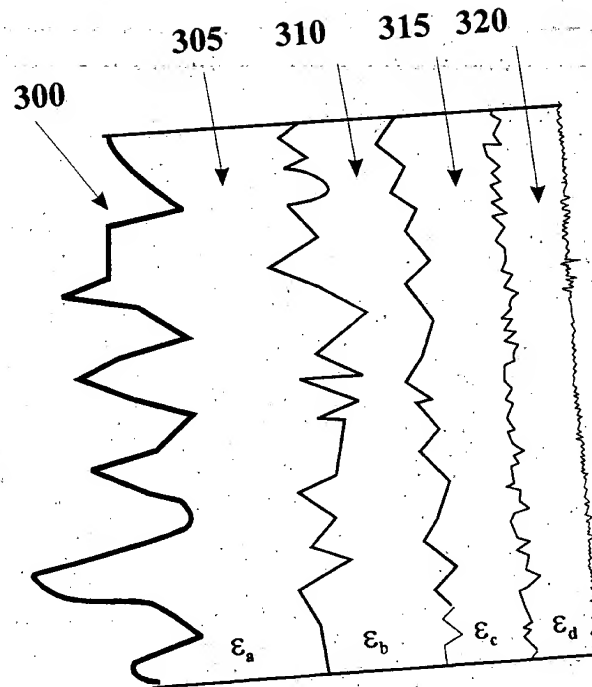


FIGURE 23b

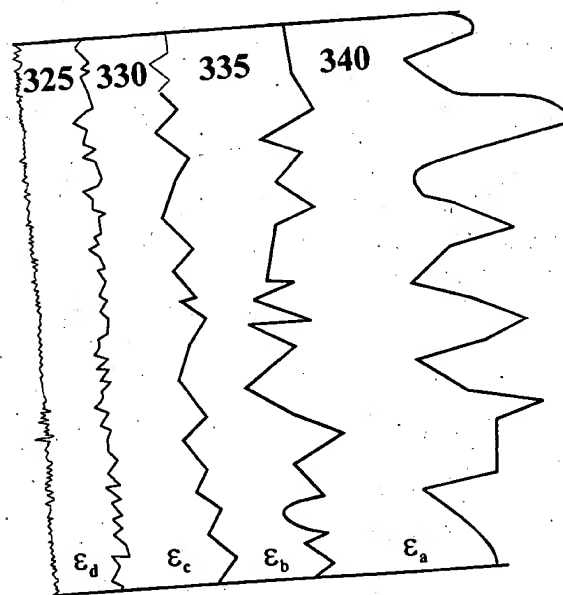


FIGURE 24

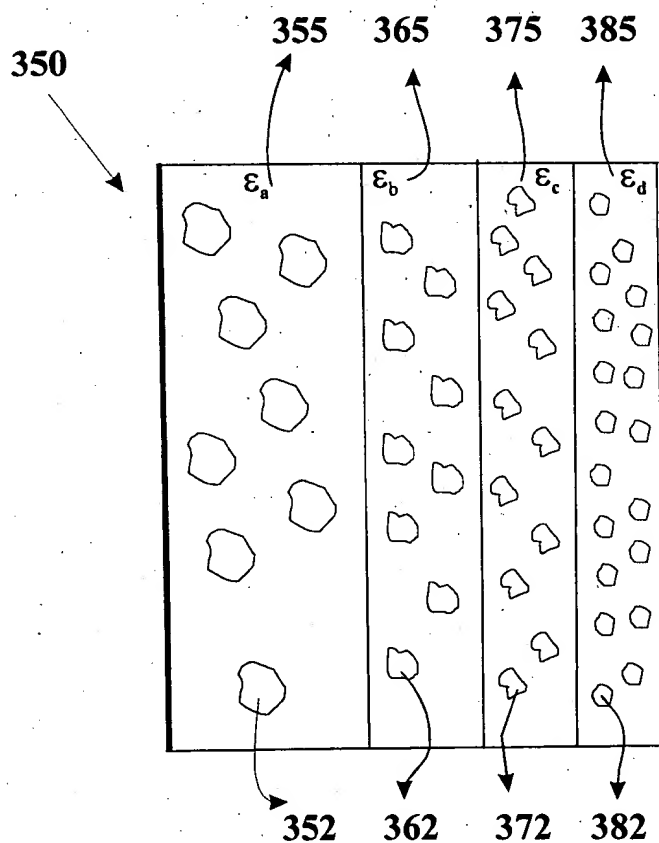


FIGURE 25a

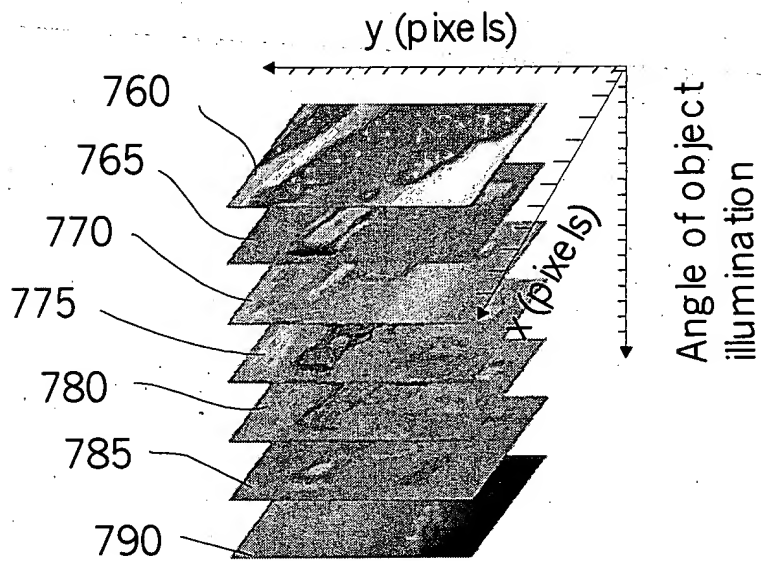


FIGURE 25b



800

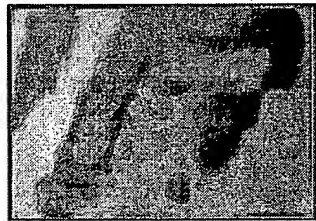
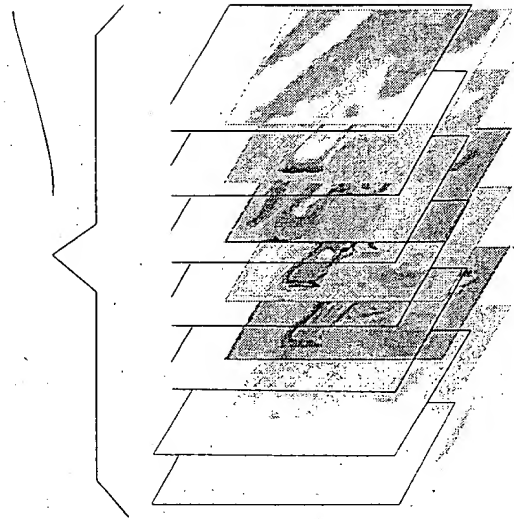
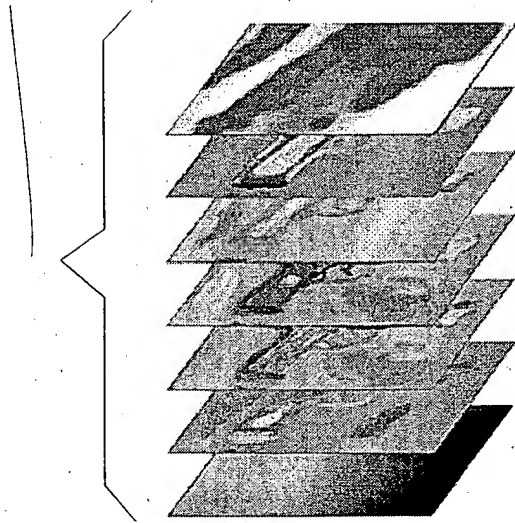
FIGURE 26

$f=f_1$

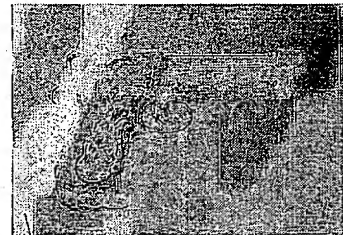
$f=f_2$

1310

1320



1315



1325

FIGURE 27.a

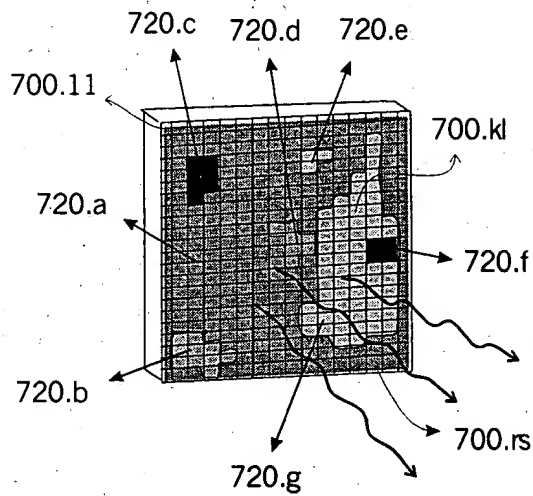


FIGURE 27.b

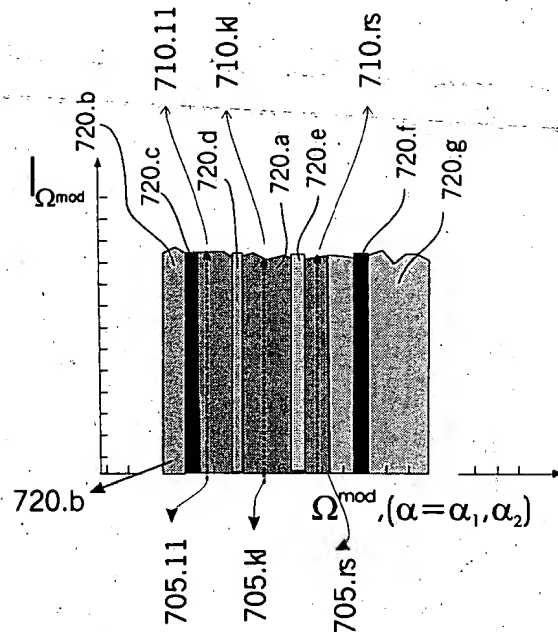


FIGURE 27.c
 for pixel (x_{m0}, y_{n0})

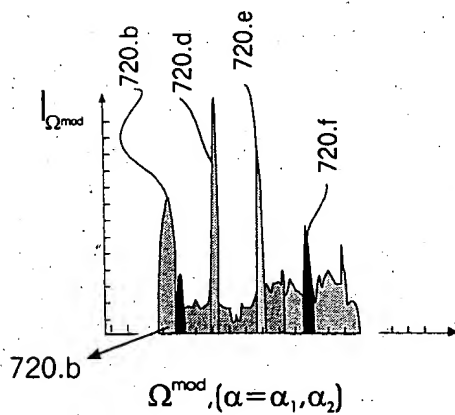


FIGURE 27.d
 for whole array of pixels

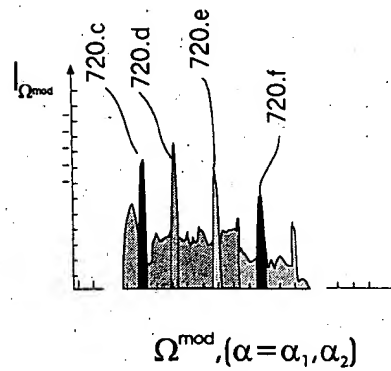


FIGURE 28a

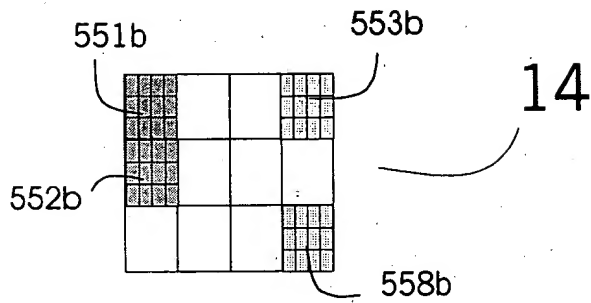


FIGURE 28b

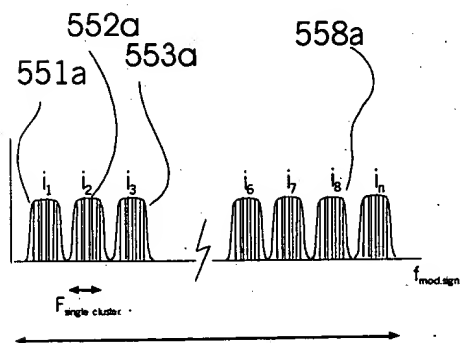


Figure 29

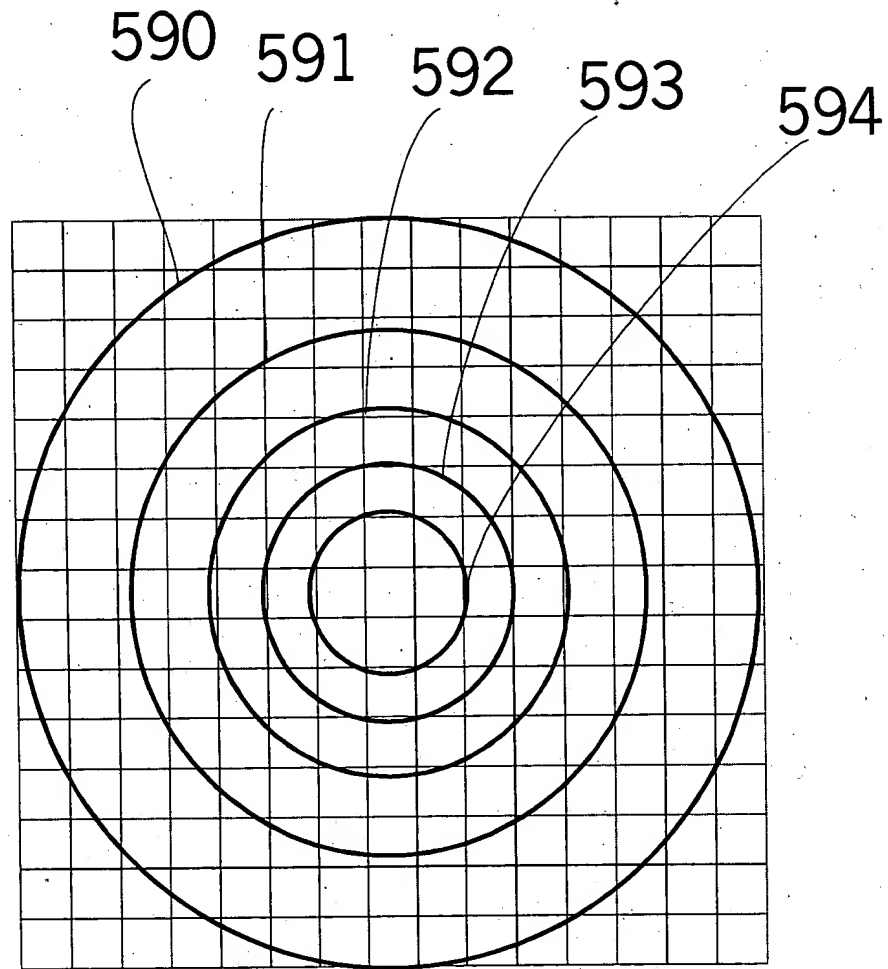


Figure 30

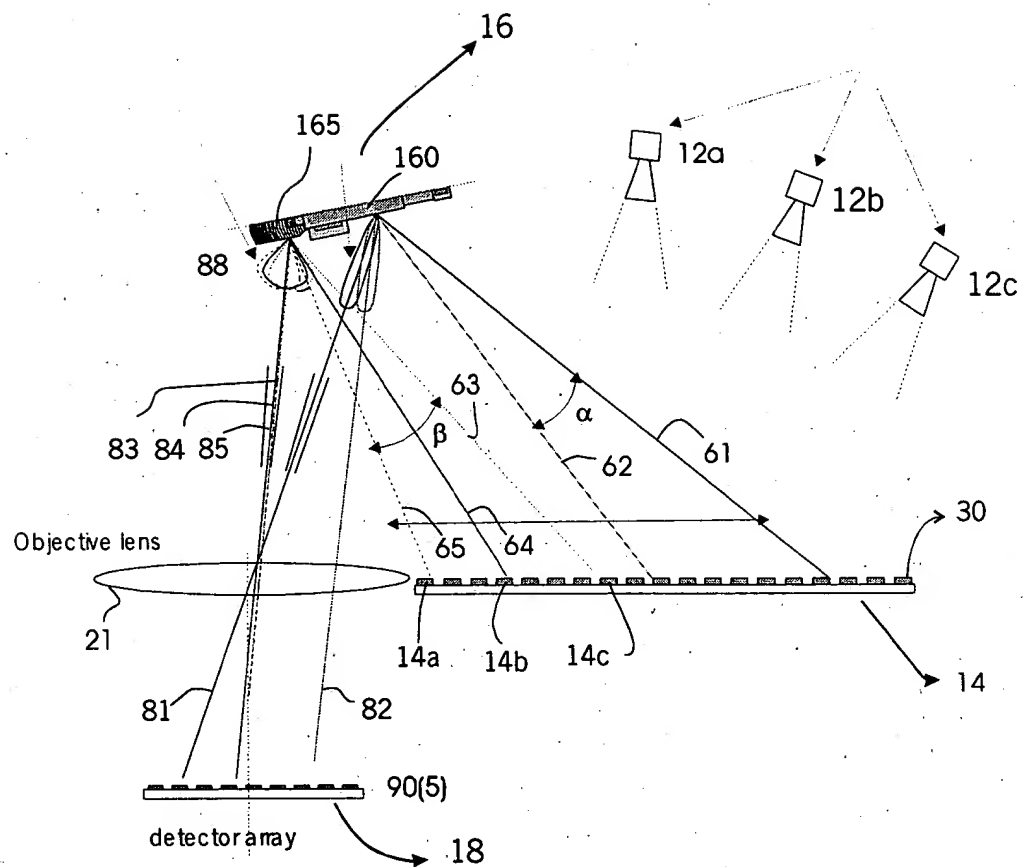


FIGURE 31

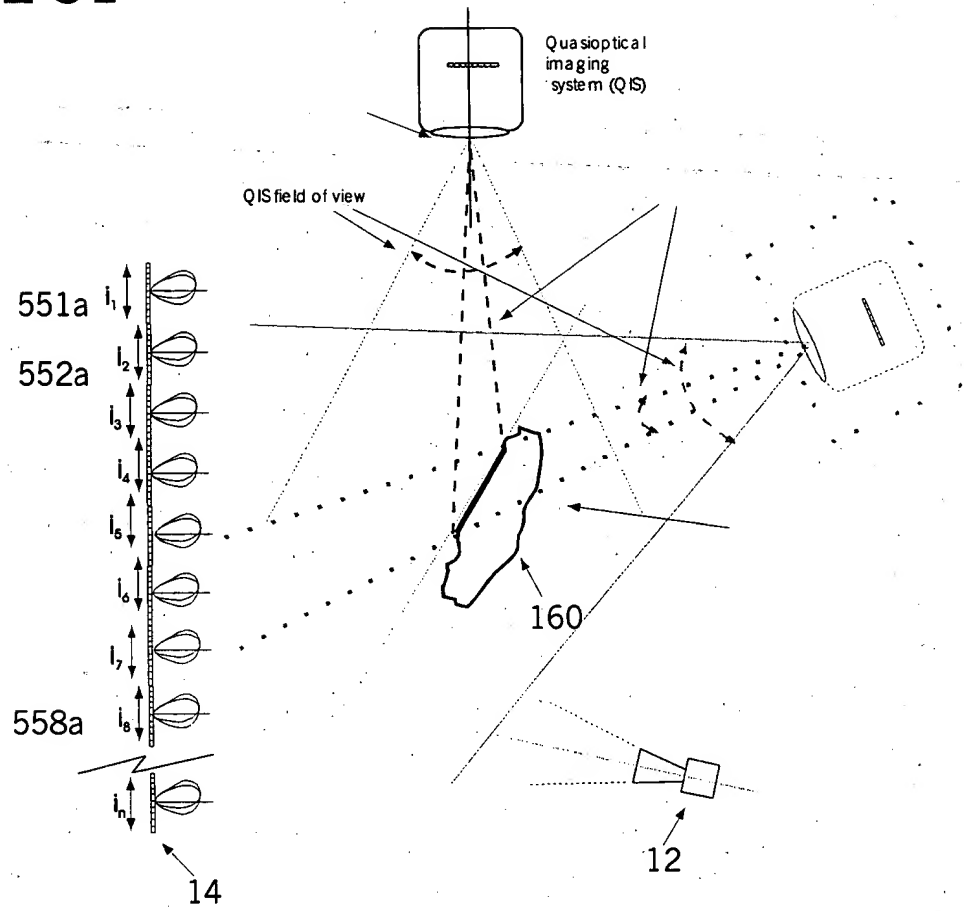
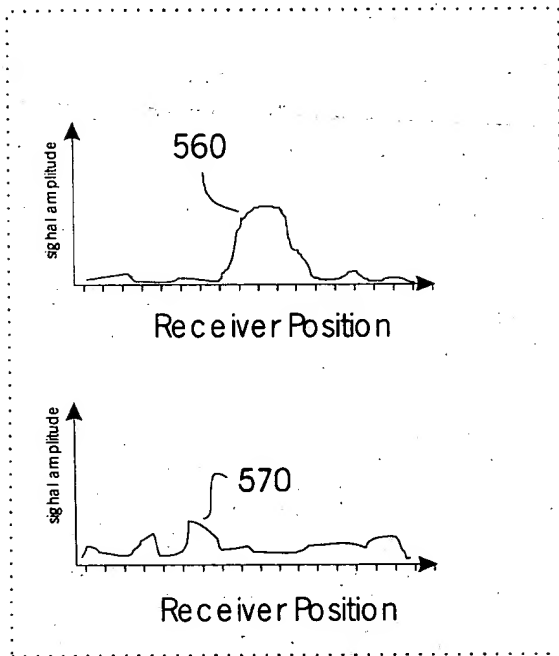


FIGURE 32



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FIGURE 33

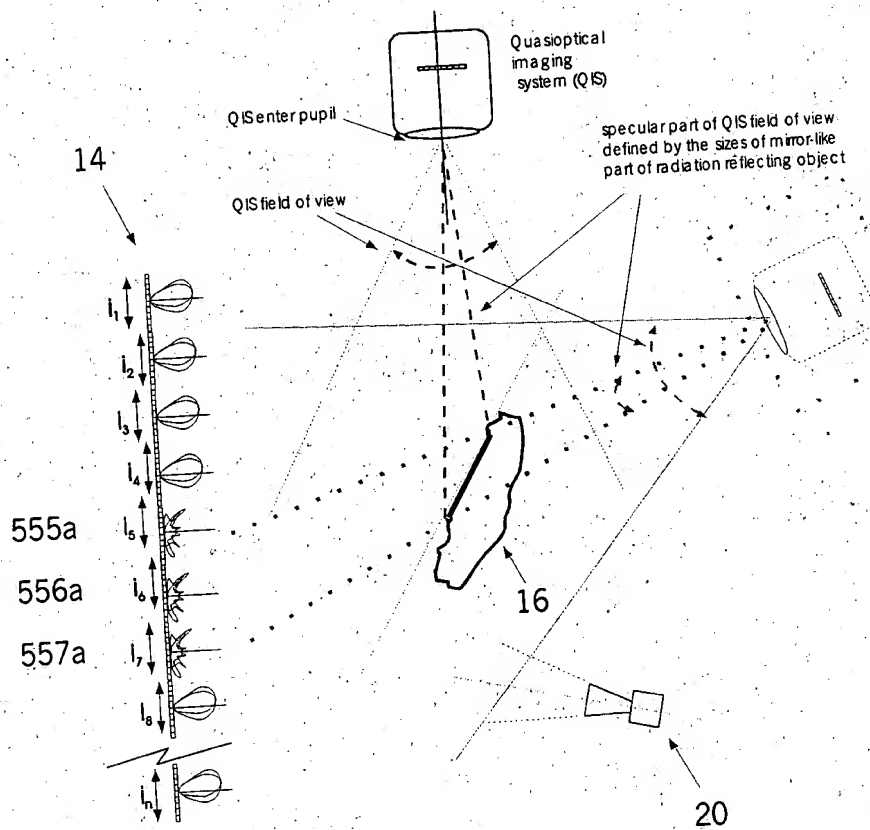


FIGURE 34

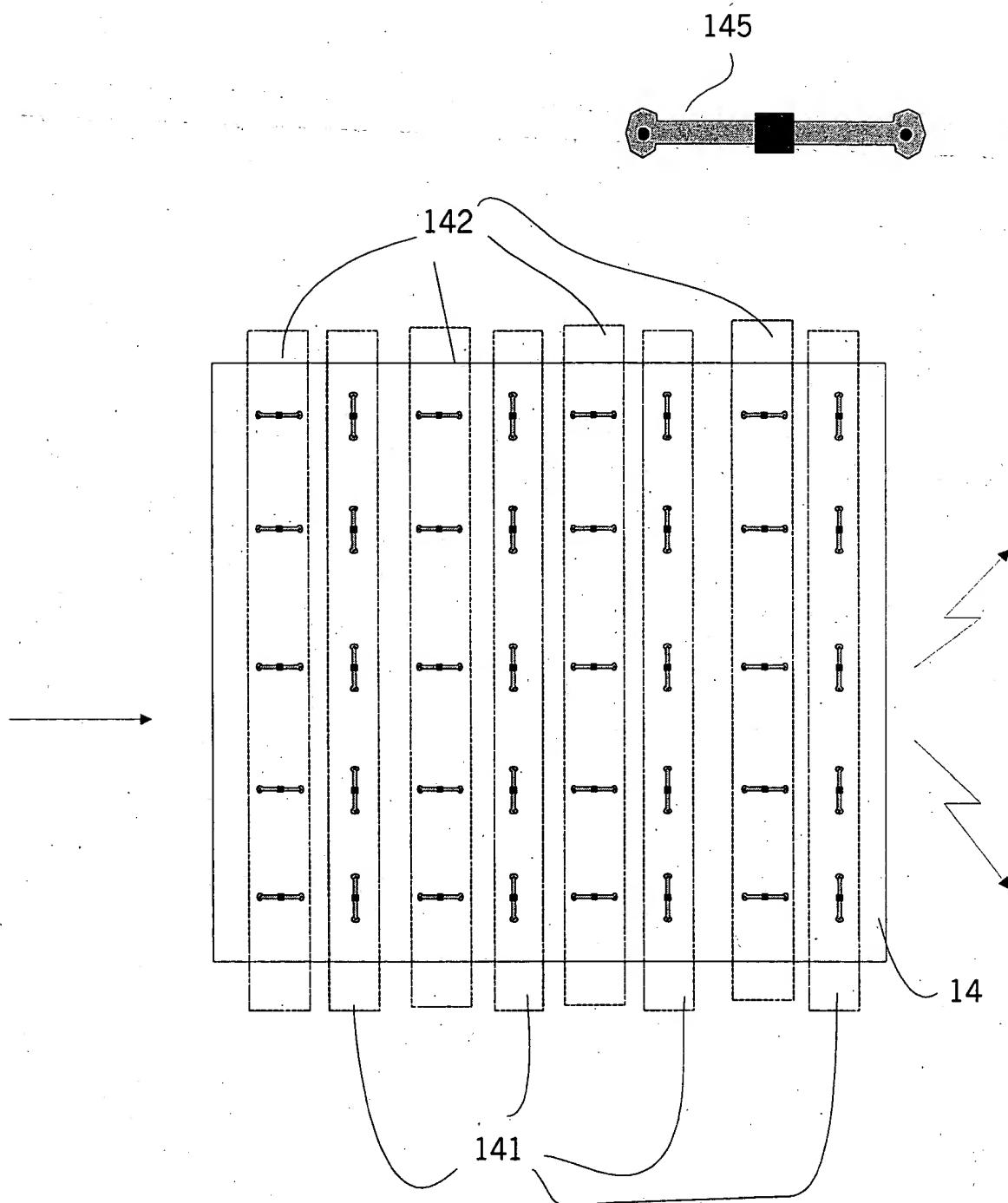


FIGURE 35

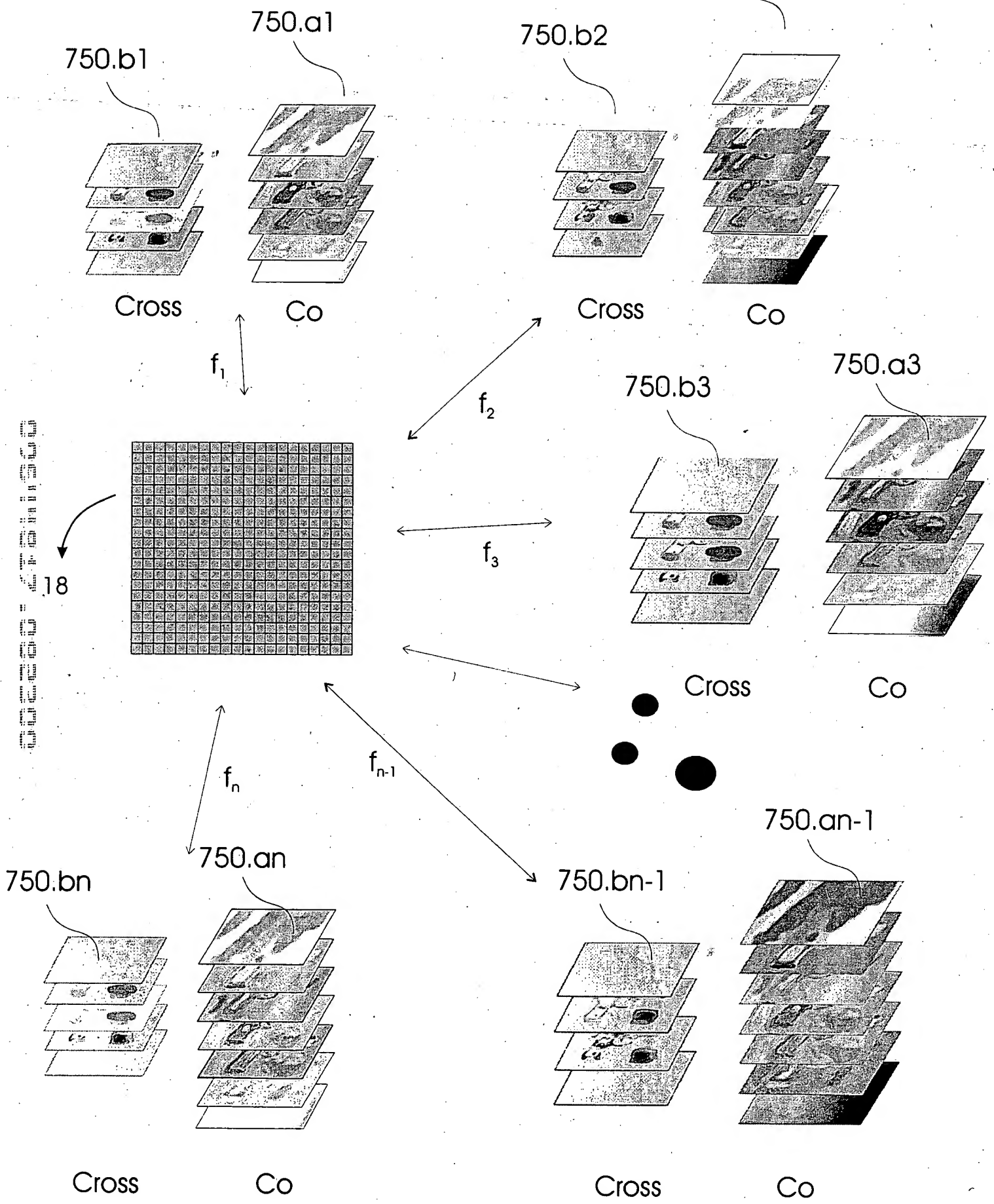


FIGURE 36a

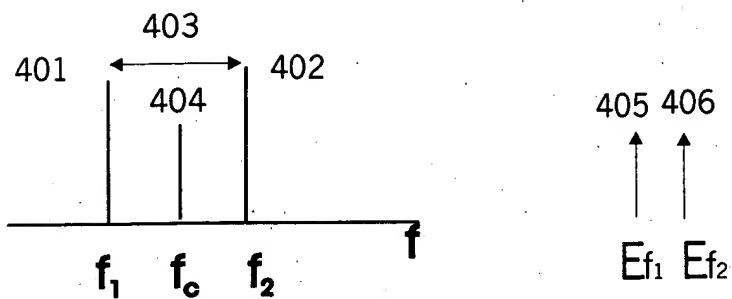


FIGURE 36b

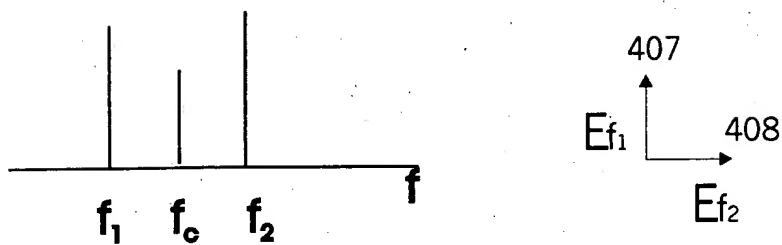
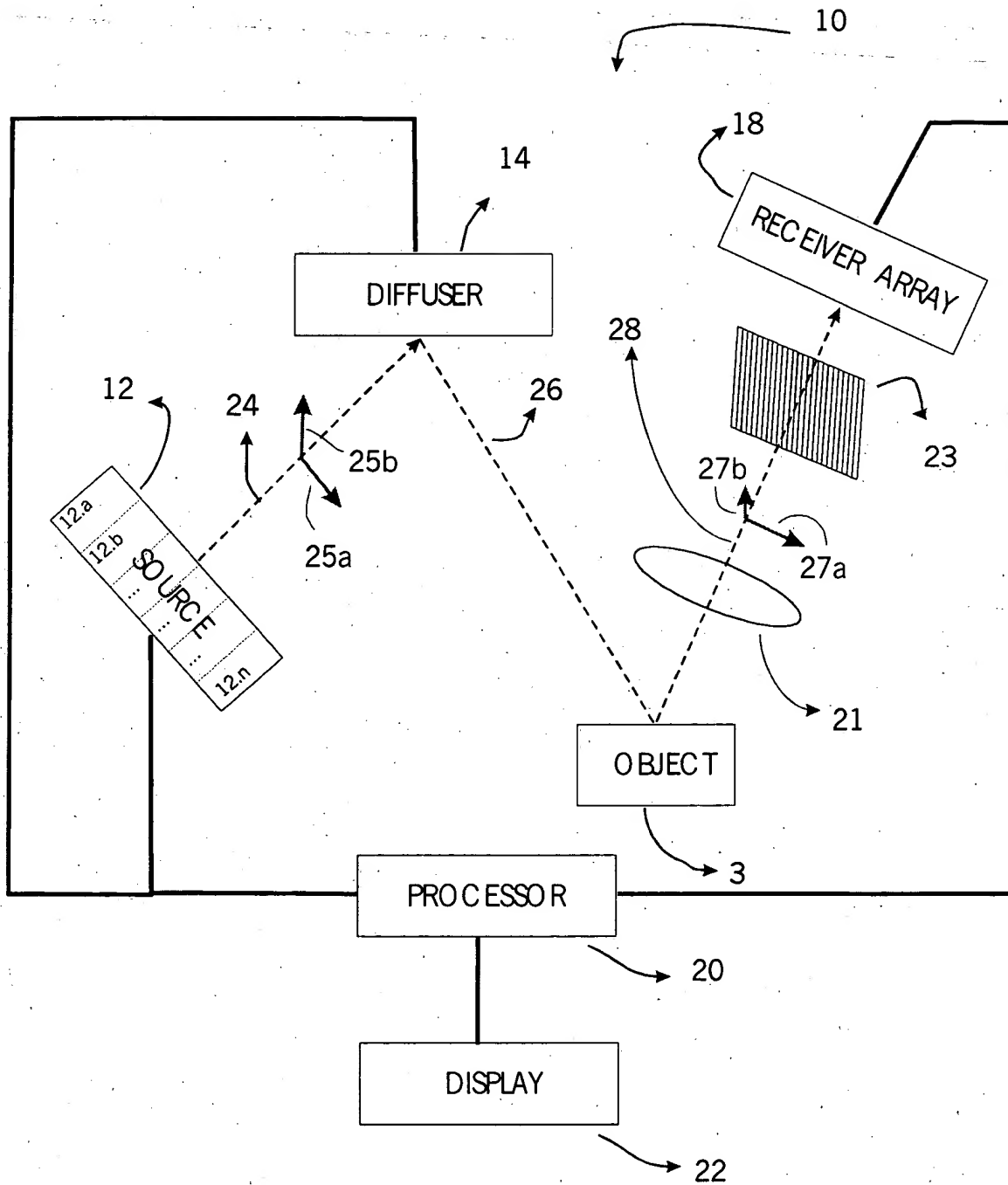


FIGURE 37a



The diagram illustrates a system 10 for measuring an object 3. The system is enclosed in a frame. On the left, a light source 12 is shown with segments labeled 12a, 12b, ..., 12n. Light 24 is emitted from the source, passes through a diffuser 14, and reflects off the object 3. The reflected light is collected by a receiver array 18 via a lens 21 and a filter 23. The receiver array outputs signals 27a, 27b, 29a, 29b. A processor 20 is connected to the source 12 and the receiver array 18. A display 22 is connected to the processor 20. Various optical paths are indicated by dashed lines and arrows, including 25a, 25b, 26, 28, and 29.

FIGURE 38

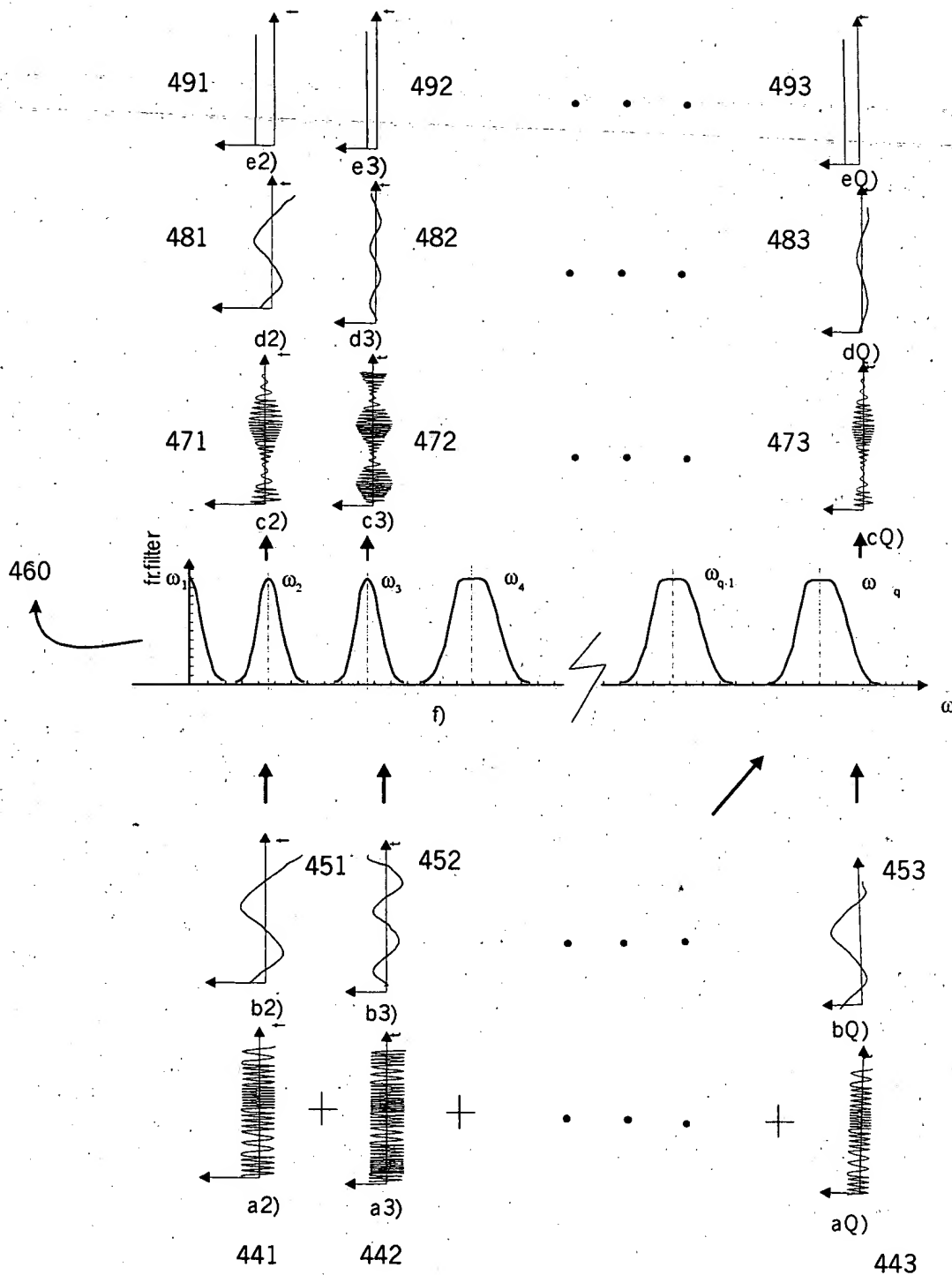
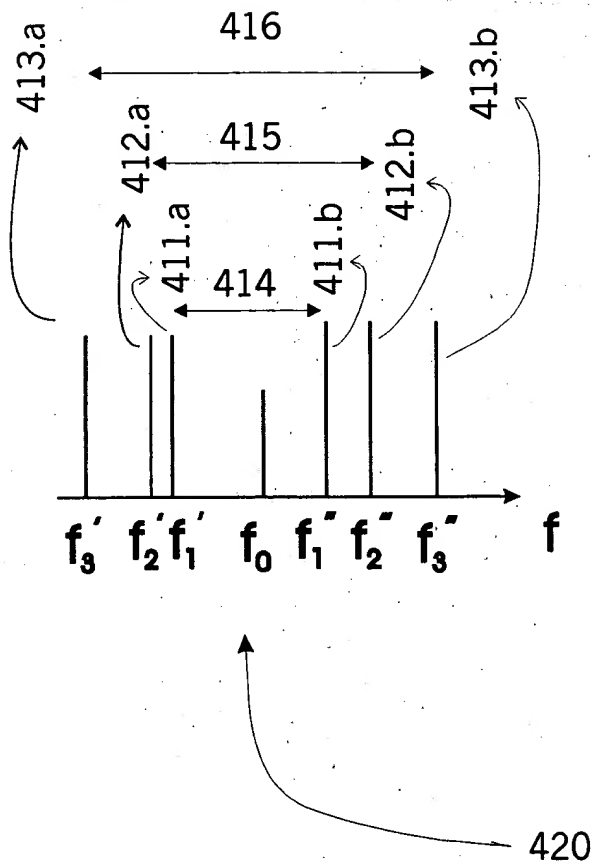
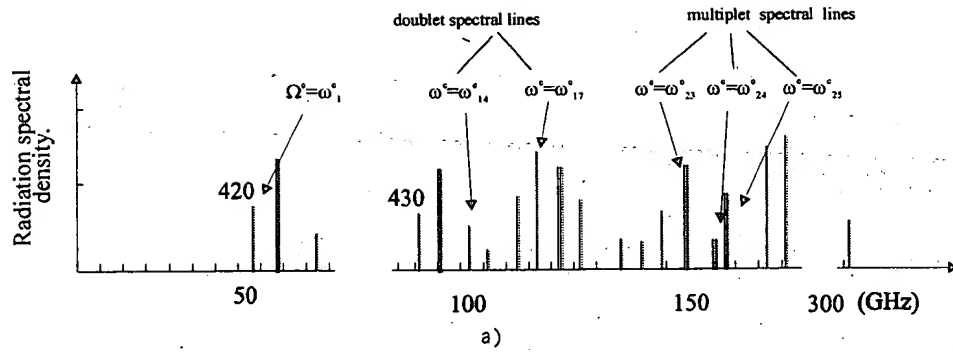


FIGURE 39



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FIGURE 40a



$n_1=1$	$n_{14}=1$	$n_{24}=3$
$\omega_{d1,1} \neq 0$	$\omega_{d14,1} = 0$	$\omega_{d24} = \omega_{d24,1} = \omega_{d24,2} = \omega_{d24,3} = 0$

Figure 40b

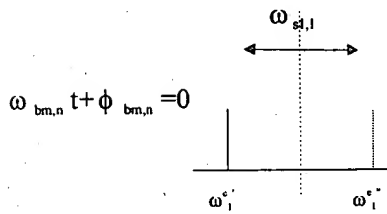


Figure 40d

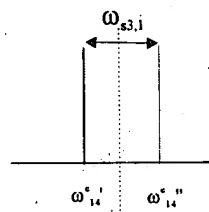


Figure 40f

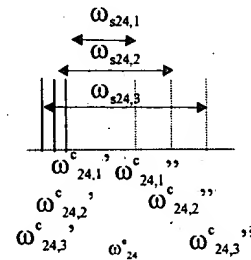


Figure 40c

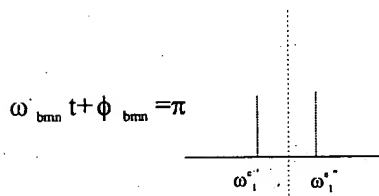


Figure 40e

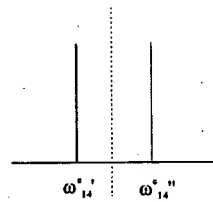
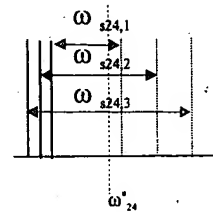


Figure 40g



$$\omega_{bm,n} = \omega_{m,n}^c - \omega_{m,n}^c = \omega_{sm,n} + \omega_{dm,n} \cos(\omega_{m,n} t + \phi_{m,n})$$

c)

e)

g)

FIG URE 41a

Beat spectrum

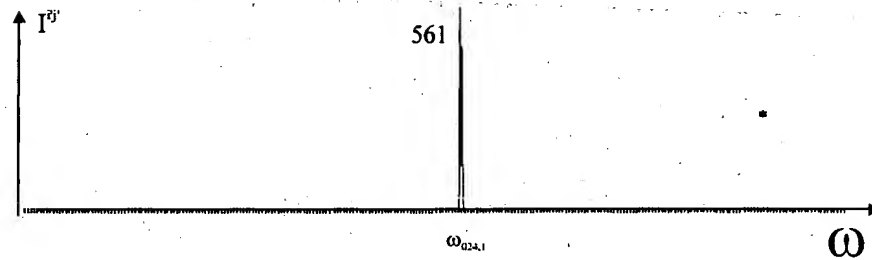


FIG URE 41b

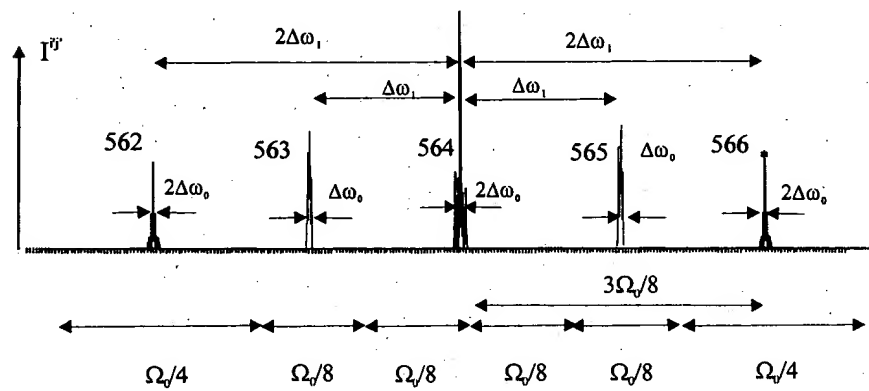


FIG URE 41c

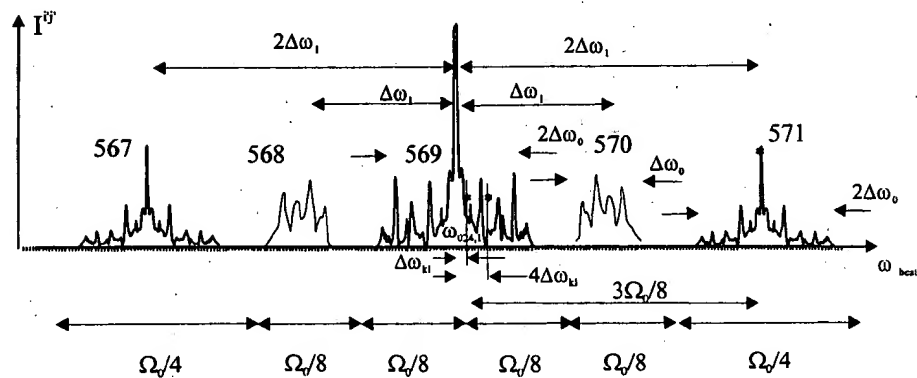


FIG URE 42a

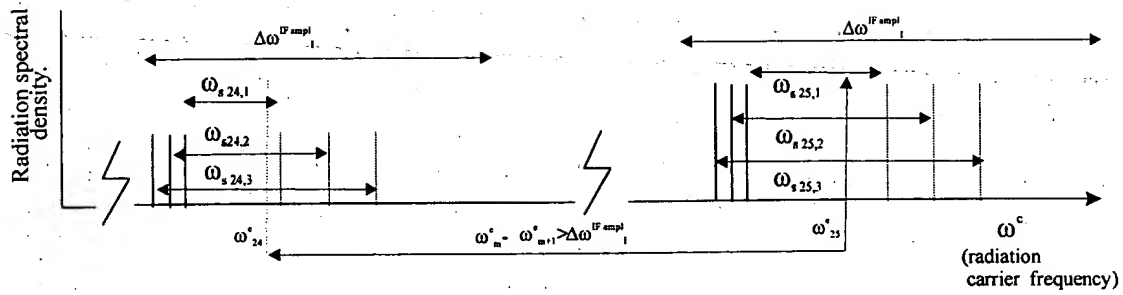
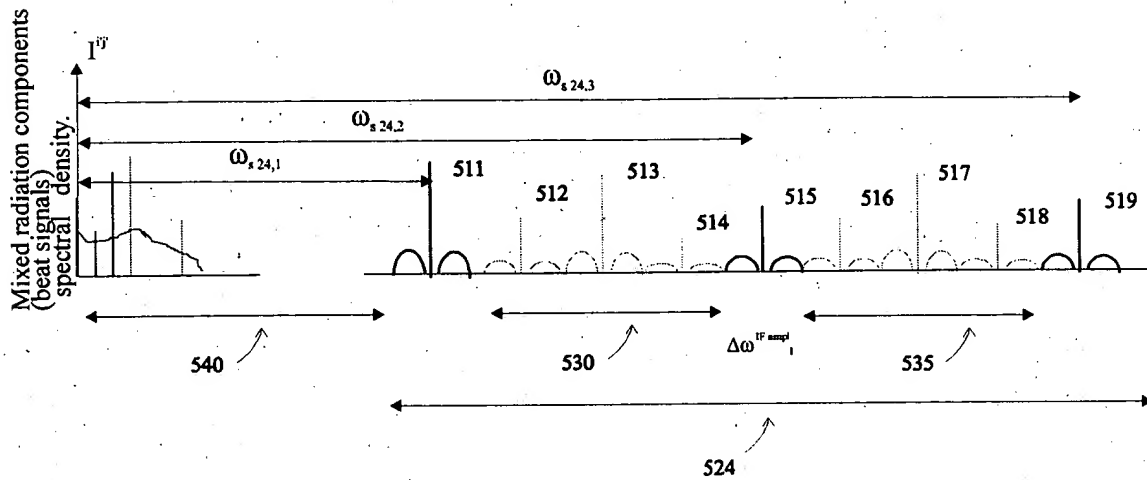


FIG URE 42b



b)

FIGURE 43

870

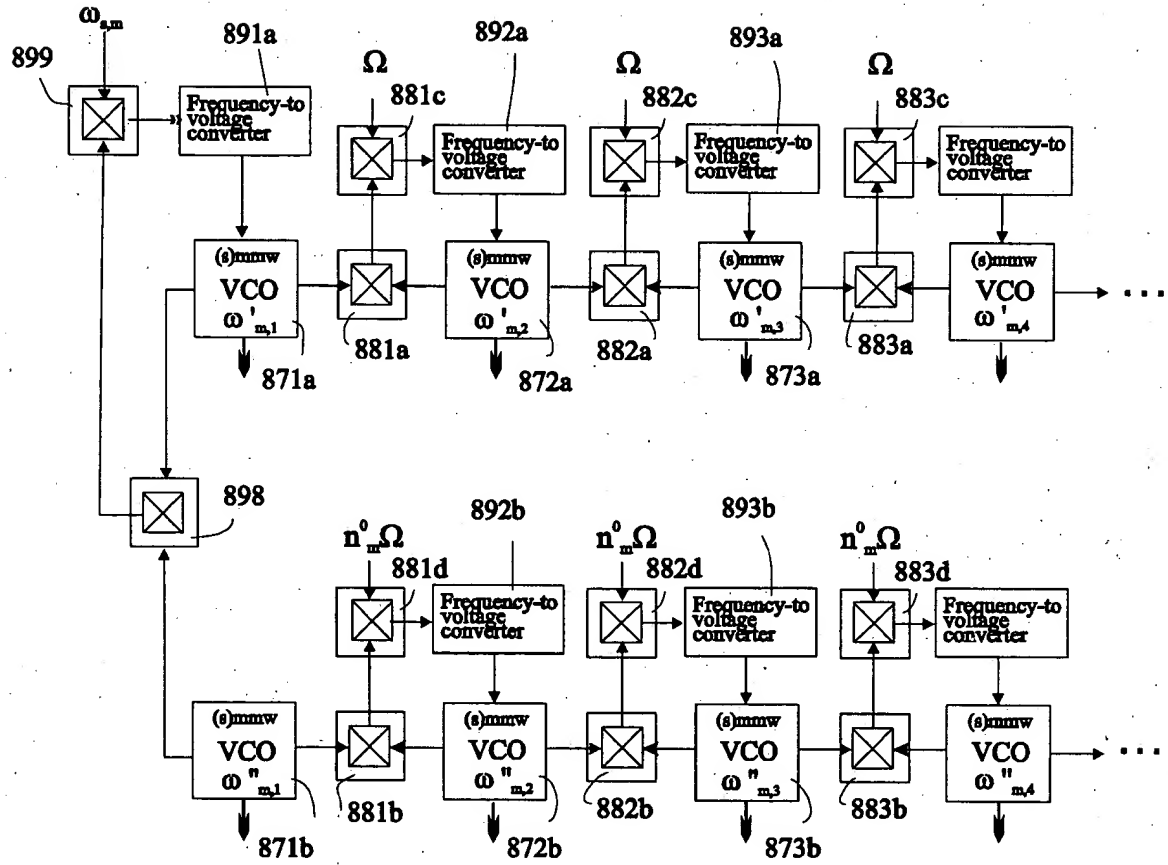


FIGURE 44

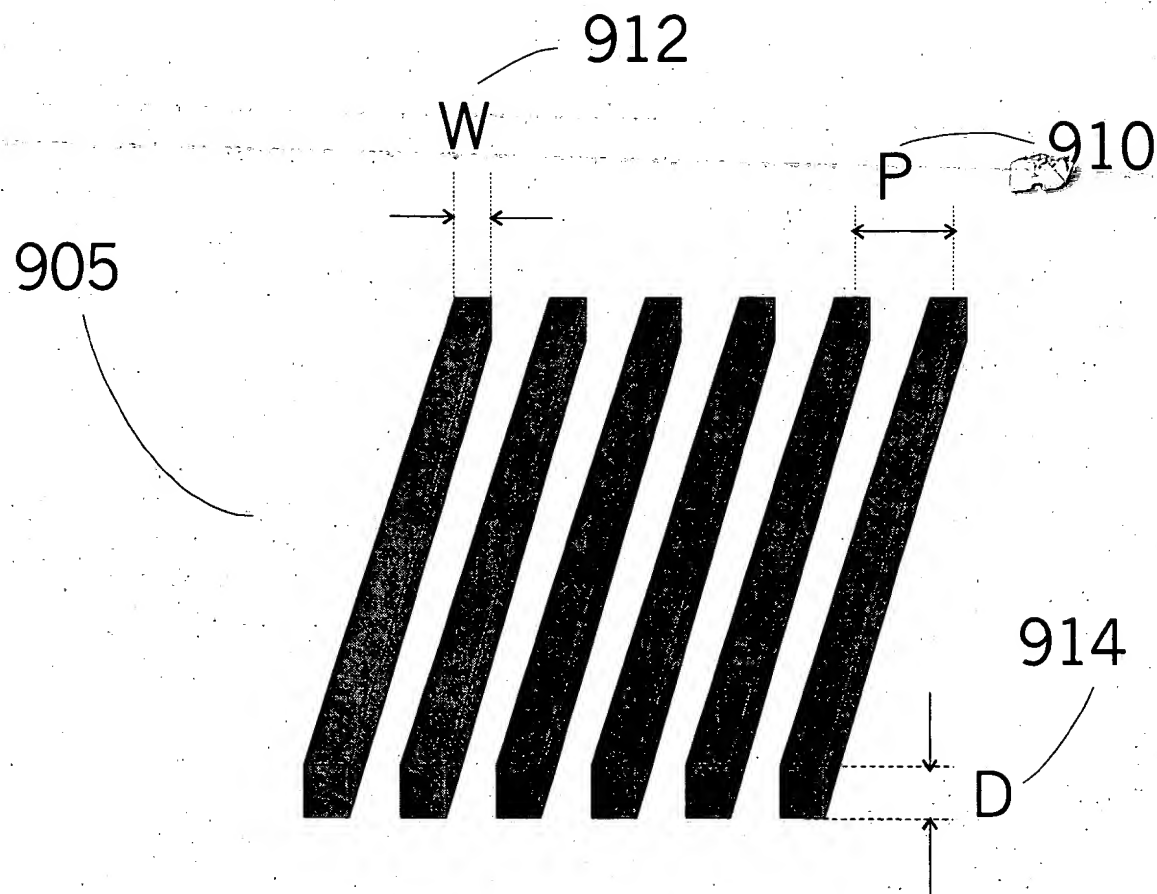


FIGURE 45a

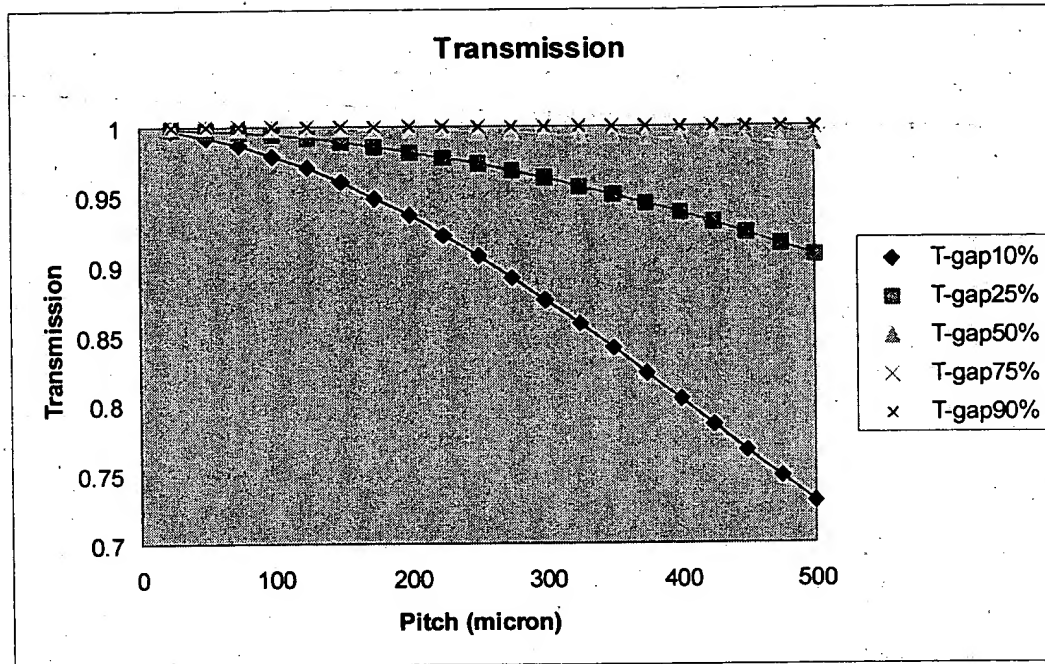


FIGURE 45b

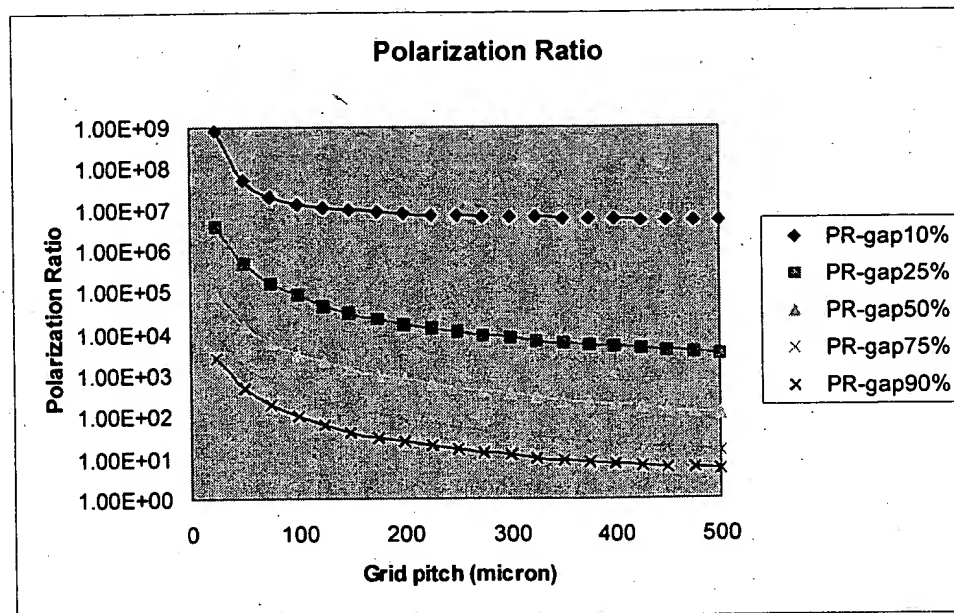


FIGURE 46a

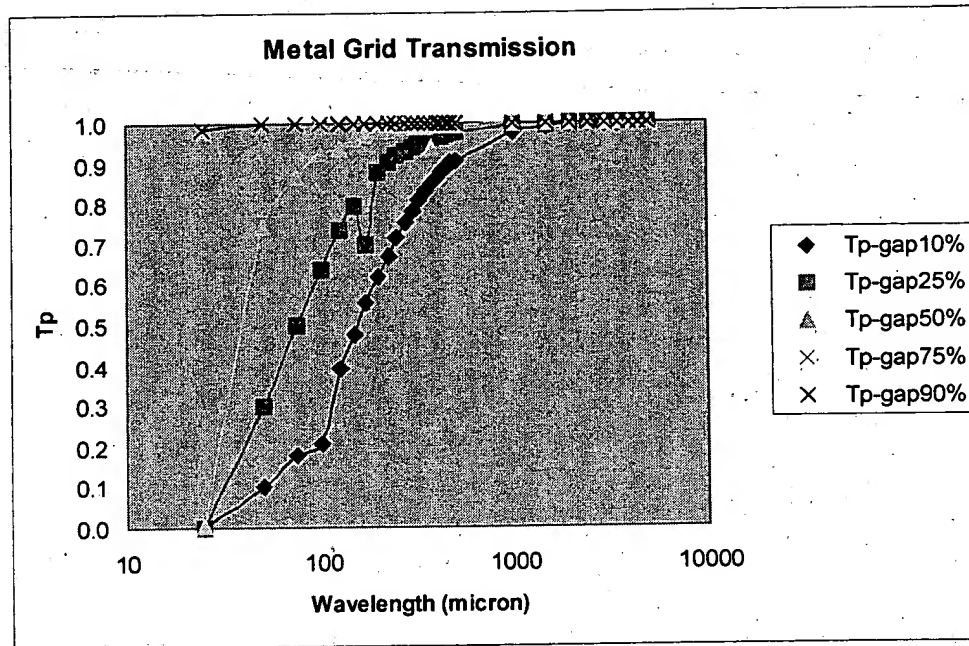


FIGURE 46b

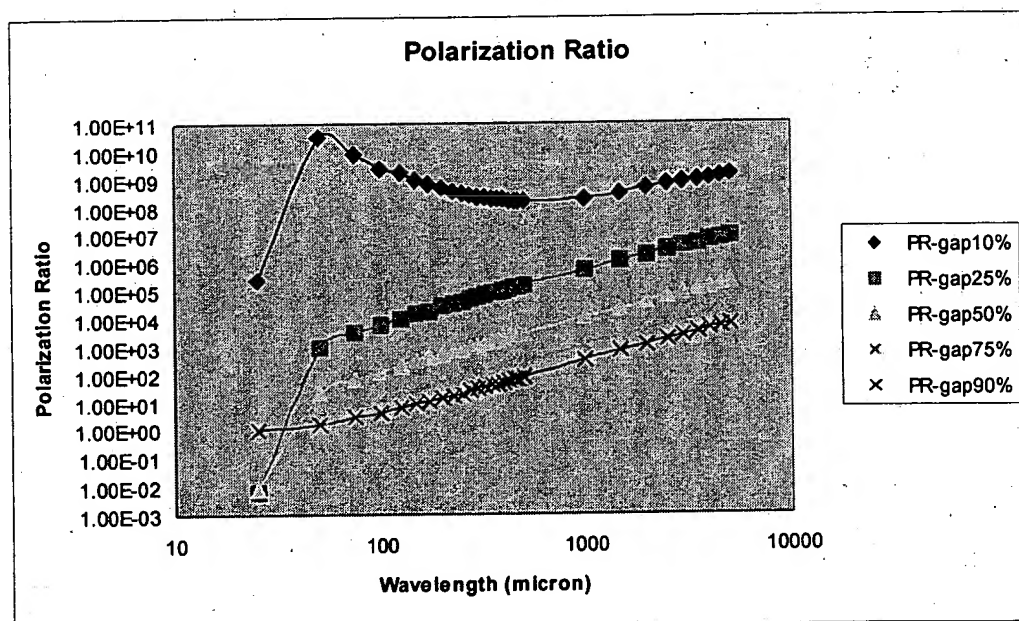


FIGURE 47

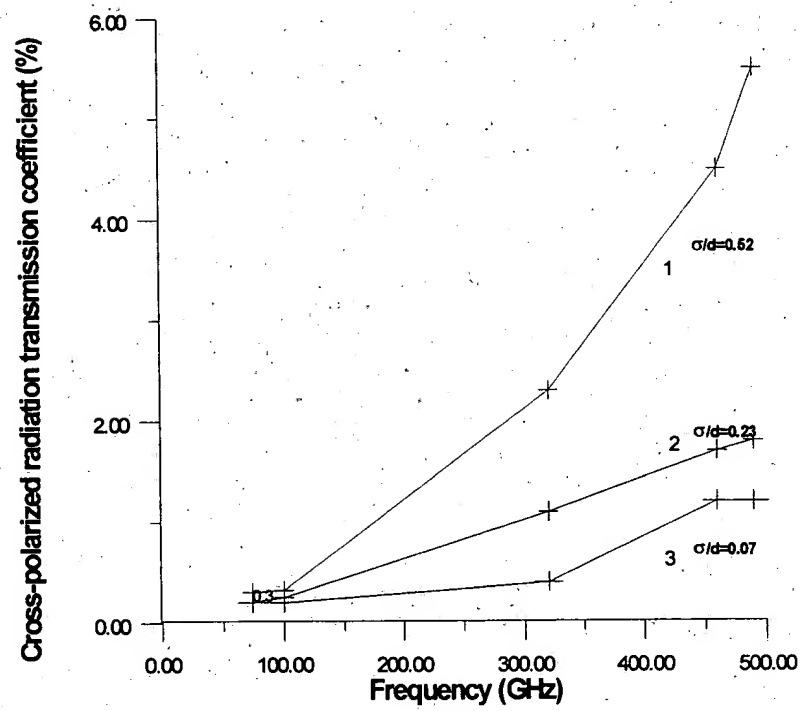


FIGURE 48a

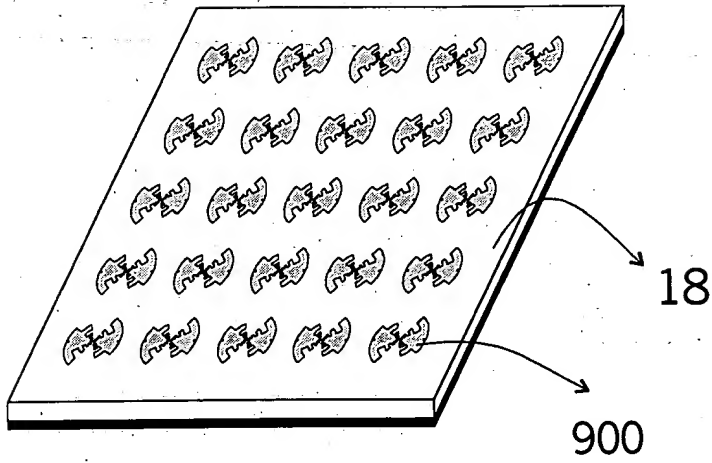


FIGURE 48b

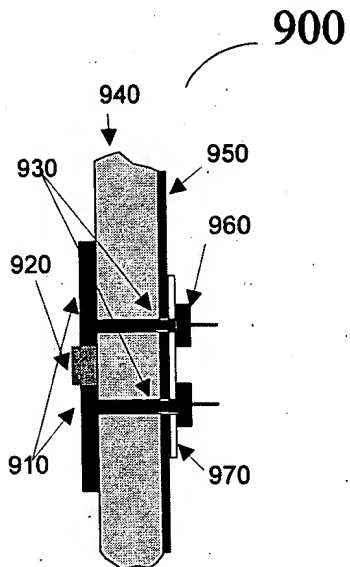


FIGURE 49a

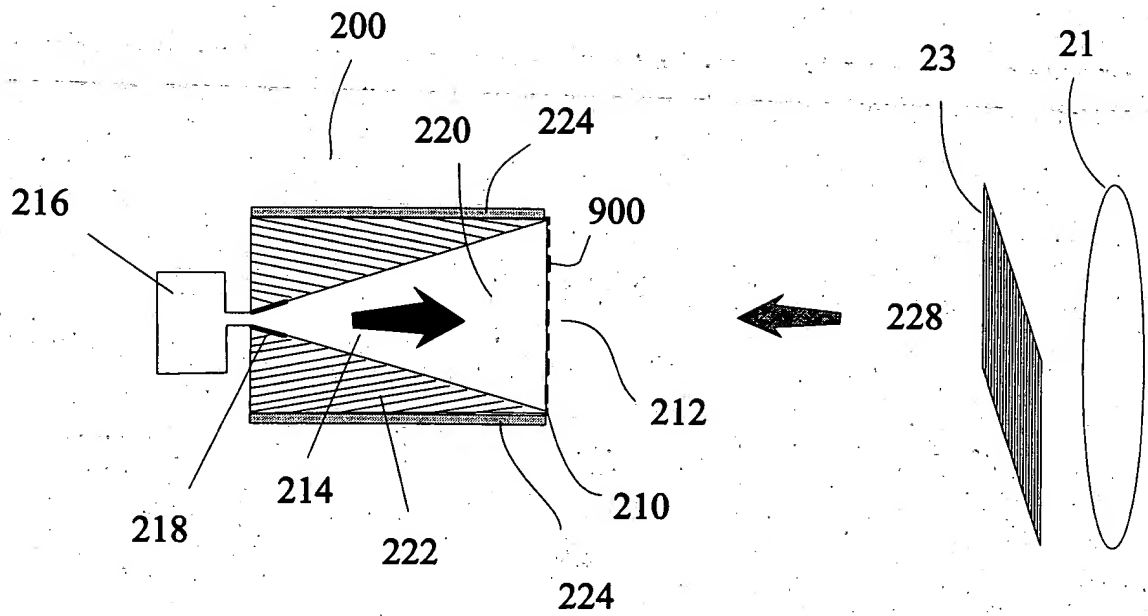


FIGURE 49b

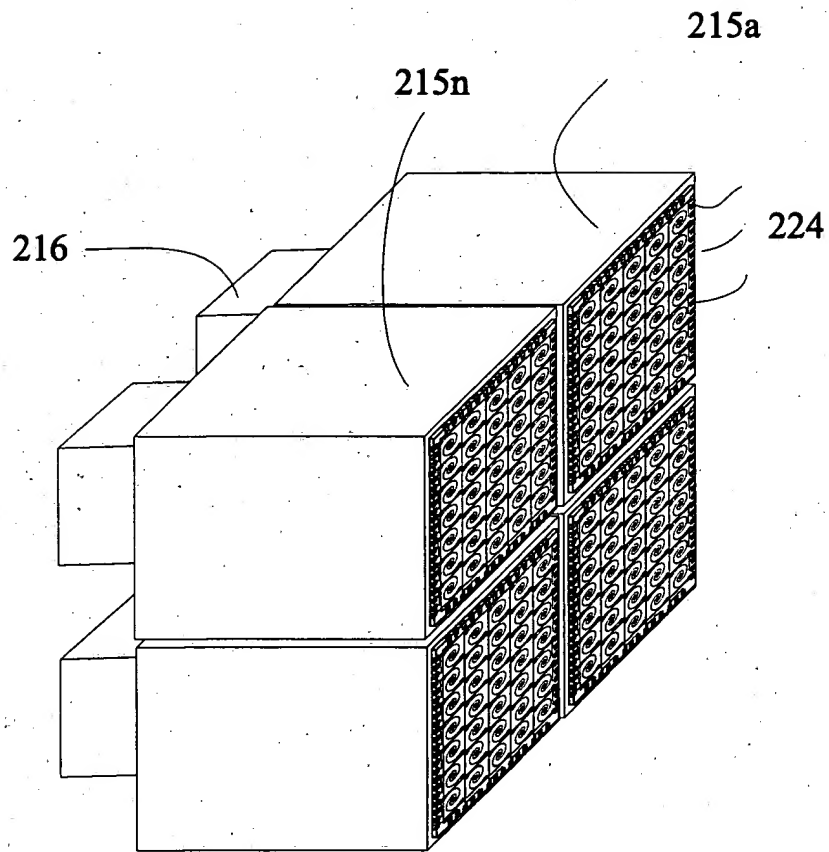


FIGURE 50a

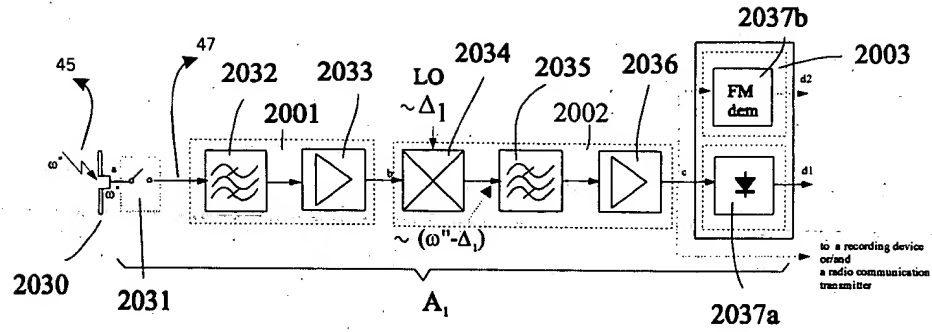


FIGURE 50b

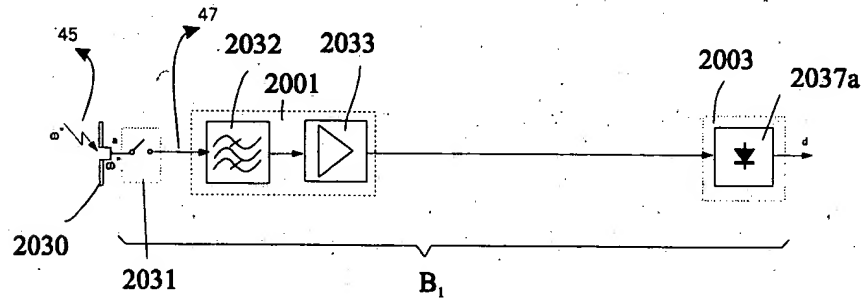


FIGURE 50c

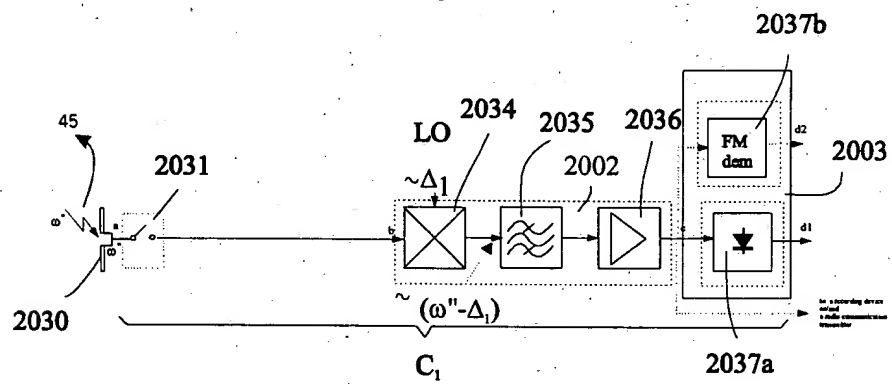


FIGURE 50d

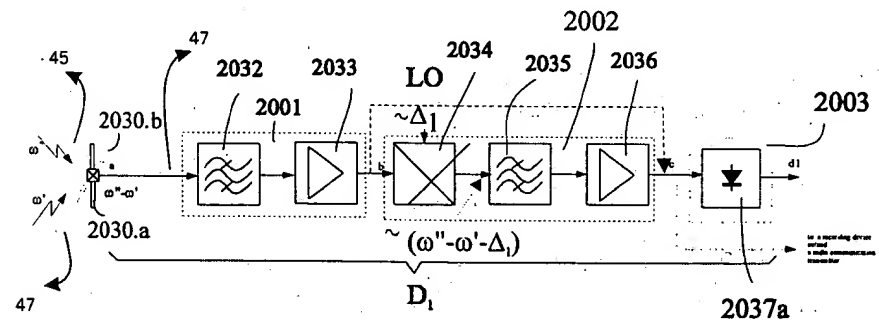


FIGURE 50e

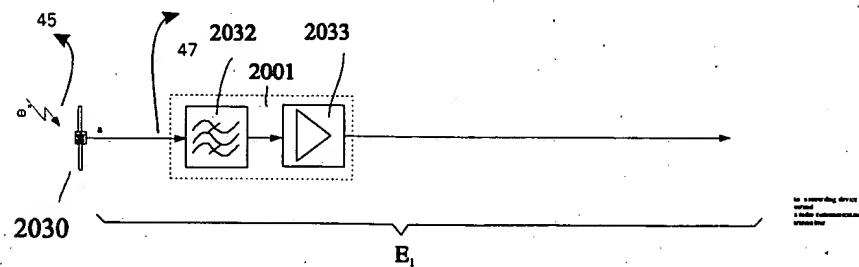


FIGURE 51a

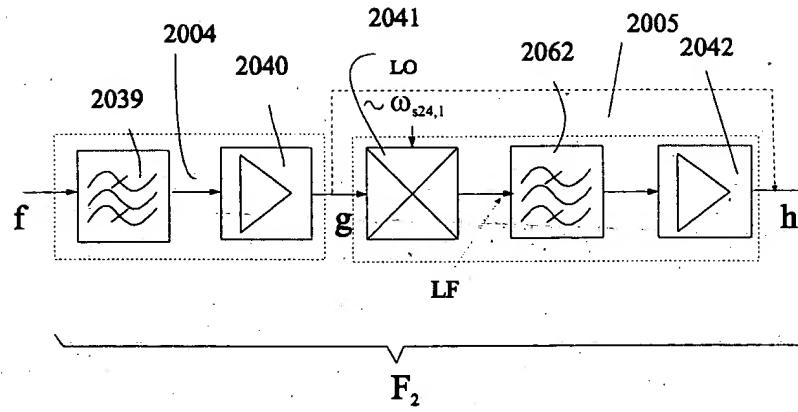


FIGURE 51b

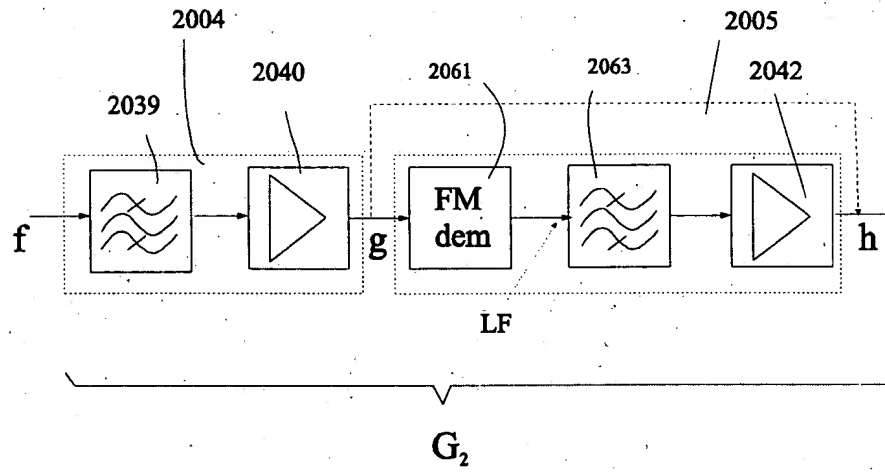


FIGURE 52a

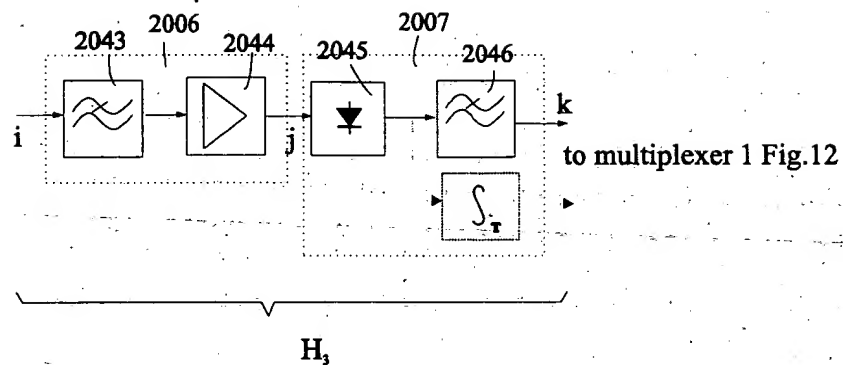


FIGURE 52b

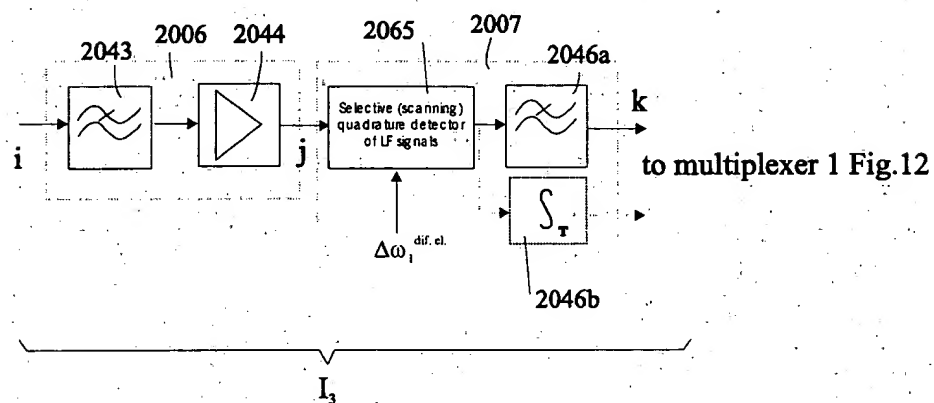


FIGURE 52c

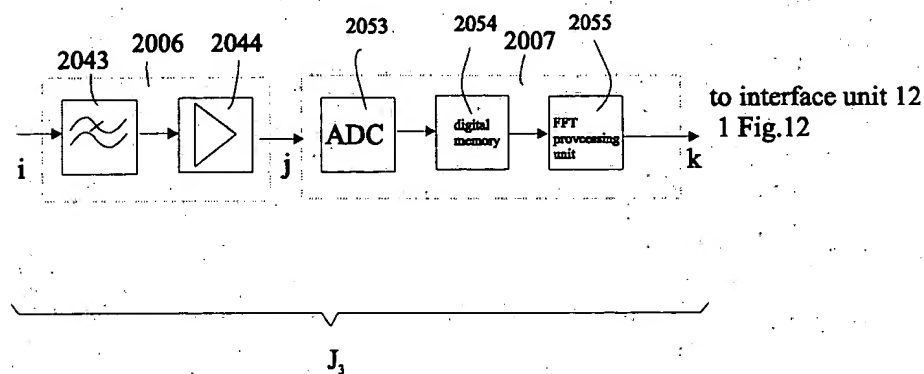


FIGURE 53a

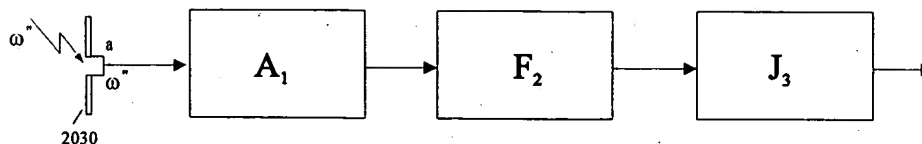


FIGURE 53b

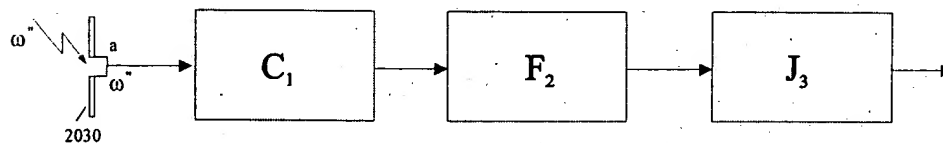


FIGURE 53c

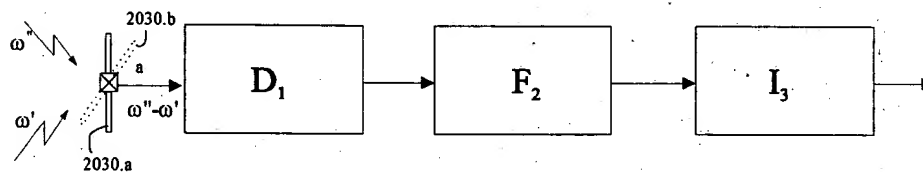


FIGURE 53d

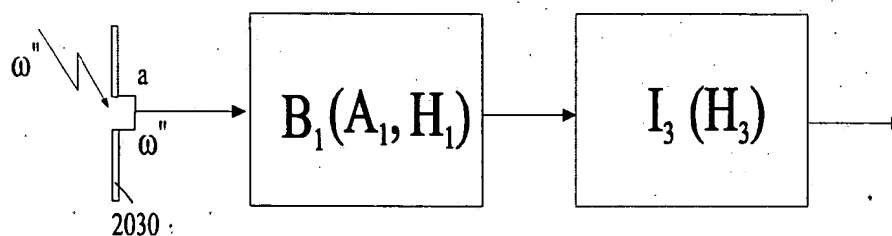


FIGURE 54

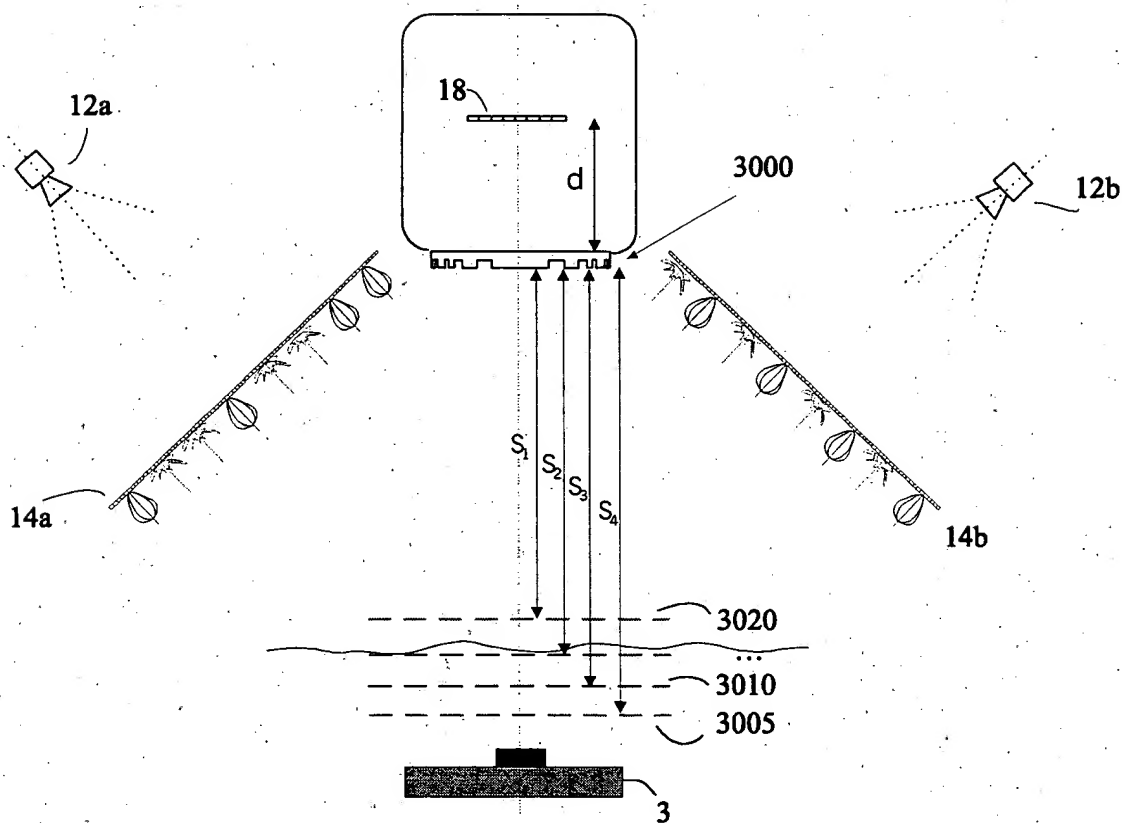


FIGURE 55

